Te-Tisse Construction Company

Tè_tisse

Te-Tisse Construction Company

No.11. Jahangir Alley. Pars Ave, Ferdosi sq. Enghelab st.
Tehran-1131966814 -Iran
Tel: +9821 6672 29 43 +9821 6670 57 34
Fax: +9821 6675 6324 +9821 6672 12 00
Website: www. tetisse .ir
Email: Info @ tetisse .ir

Design: www.simorghstudio.ir

Tè_tisse

Contents

Te-tisse Construction Company (PJS)

Date of Establishment : 1981
Date of Registration : 1982
Registration Number : 43826
Type of Company : Contracting
Line of Works : GC. EPC and EPC/Turn Key

Field of Activities

- Tunnel Projects
- Water Projects
- Building Projects
- Plants and Equipment Projects
- Road Construction Projects

Te-tisse Construction Company as a reputable contracting company having more than three decades experience is active in the field of construction projects.
Te-tisse Company was founded in 1982 by a group of experienced experts and engineers. This company prides itself in achieving completion of multitude of projects during the last three decades, including of the following projects:

- Sewage Tunnels
- Surface Water Concrete Canals
- Surface Water Concrete Tunnels
- Water and Wastewater Treatment Plant
- Pumping Stations and Pipelines
- Railways
- Water Distribution Systems
- Airports
- Roads
- Water Reservoirs
- Buildings

Innovations

Te-tisse company has applied and studied about the following issues during its work experience:

- Researches and necessary studies about processing and mixing of high strength and density concrete using additives such as Micro Silica, etc. which the result of these innovations has had high proficiency in executive projects. One of Te-Tisse`s projects in which this innovation has been applied, is South Tehran Sewage conveying Tunnel- Lot I executed in the year 2000.

- The outcome of these researches and studies has reflected to other related organizations to be used in other state projects by contractors.

- Innovation in waterproofing and isolating surface and sub-surface hydraulic structures by laying - membranes and shooting or applying other additive substances.

- Innovation in using HDPE sheets for second lining of structures in various shapes for the first time in Middle East to increase the life of hydraulic structures and sub-surface structures conveying wastewater.

- Special design for shotcrete machines which are used for shotcreting surface and Sub-surface structures for the first time at the year of 1984.

- Design of special vibrators capable of being installed on moveable steel formworks which are used for concrete lining of tunnels.

- Design of special cranes to be used in sub-surface structures Special design of portable machines to inject concrete into surface and sub-surface structures.

Qualifications

- **Rank No.1 in the field of Water**
  - Construction of dams and dikes
  - Construction of hydro-power plant
  - Hydraulic structures and hydro-tunnels
  - Water tanks and water distribution networks
  - All works of water and wastewater treatment plants in large scales including construction, plants and equipment
  - Water transmission pipelines
  - Construction of water and wastewater pumping station in large scales
  - Wastewater collection and transmission networks
  - Construction of water transmission canals, and drainage networks
  - Shore and off-shore structures
  - Construction of basins and pools

- **Rank No.3 in the field of Construction**
  - All affairs relevant to steel and concerte buildings in large scales

- **Rank No.4 in the field of Infrastructure and Equipment**
  - Gas-line Networks
  - Hydro - mechanic plants of dams

- **Rank No.5 in the field of Transportation**
  - Construction of major and minor roads
  - Construction of highways
  - Construction of freeways
  - Construction of railways
  - Construction of airstrips
  - Construction of bridges and tunnels
  - Construction of underground railways and Metro


گواهینامه صلاحیت پیمانکاری


گواهینامه صلاحیت پیمانکاری


گواهینامه صلاحیت پیمانکاری

Associations` Membership

Te-tisse Construction Company has done his duties brilliantly in execution of various projects all the time, and has obtained satisfaction of all employers.

The management of this company believes that the following essential items, has risen, the standard level of the company:

- Programming the implementation of all projects based on foreseen schedules and executing them in due time.
- To execute projects in high quality and keeping the quality in high level
- To observe all the national and international standards in execution of all projects
- To observe all the safety issues in execution of projects by employing a special team

To increase the technical and practical information and by utilizing up-to-date innovations and technologies in execution of projects, this company has been in touch with national and international companies, institutions, and associations, and is a member of professional associations as follows:

- Member of "Constructions Companies Association" since 1981
- Member of " Road Construction Companies Association" since 2006
- Member of " Association of Petroleum Industry Engineering and Construction Companies" since 2007
- Stockholder of Namavaran Mohandesi, International Investment Co.
- Member of Iranian Concrete Institute.
- Member of Iranian Tunnelling Association
- Member of Society of Mass Housing Builders


به نام خدا

انجمن صنفی
کارفرمایان مسکن

گواهی نامه عضویت

تاریخ صدور : ۹۱/۱۰/۱۲
شماره گواهی نامه: ۹۱/۱۹۲۹

بدینوسیله گواهی می گردد

شرکت ته تیس شماره ثبت ۴۳۸۲۶ تاریخ ۱۳۶۰/۷۱/۲۸

مدیرعامل جناب آقای علی اکبر گل سرخی

با استناد به ماده ۶ اساسنامه انجمن صنفی کارفرمایان مسکن به شماره ثبت ۲۹۹ تاریخ ۱۳۸۰/۷/۱۶ از تاریخ ۱۳۹۱/۱۰/۱۳ تحت شماره ۱۰۰۰-۹۱-۲۰۰۰ به عضویت این انجمن درآمده است.

دارنده این گواهی نامه با رعایت اساسنامه انجمن و حدود صلاحیت شرکت می تواند از مزایای قانونی این گواهی نامه به مدت یکسال از تاریخ صدور بهره مند گردد.

رئیس هیات مدیره انجمن
ایرج رهبر

دبیر انجمن
سید علیرضا فتوتی


In The Name Of Allah

ITA

انجمن تونل ایران

تایید می نماید

شرکت ساختمانی ته تیس

عضو حقوقی این انجمن می باشد.

ابو القاسم مظفری

IRTA

IRanian Tunnelling Association

Membership Certificate


بسم الله الرحمن الرحیم

انجمن بتن ایران

Iranian Concrete Institute

بدین وسیله گواهی می شود

شرکت ته تیس با مدیریت جناب آقای مهندس علی اکبر گلسرخی از سال ۱۳۸۹ با شماره عضویت ۶۸۷ع ۸۹ عضو حقوقی انجمن بتن ایران می باشد.

رئیس هیات مدیره انجمن بتن ایران


APEC

Association of Petroleum Industry
Engineering and Construction Companies

Registered at The Ministry of Labor and Social Affairs : No. : 216 Dated : Dec. 11,2000

Tehran - Iran

MEMBERSHIP CERTIFICATE

Te-Tisse Co.

Registration No. : 43826 Dated :1982 - Tehran

Membership No. : 85109
Member Since : Jan. 2007

Issued on : September 2010
Valid up to : September 2013

Chairman: M.H.Torabi

Treasurer: Mansoor Saebi


به نام خدا

انجمن شرکتهای ریلی ایران

گواهینامه عضویت
Certificate
Of Membership

شرکت ته تیس Te Tiss Co.

تاریخ تاسیس: ۱۳۶۰/۱۱/۲۸ Date of Establishment: 1982

تاریخ عضویت: ۱۳۸۵/۲/۱۸ Date of Membership: 2006

شماره عضویت: ۴۴ Registration Number: 44


به نام خدا

انجمن شرکتهای ساختمانی

گواهینامه عضویت
Certificate
Of Membership

شرکت ته تیس Te - Tisse Cons. Co.

تاریخ عضویت: ۱۳۶۱/۱۰/۱۲ Date of Membership: 1983

شماره عضویت: ۲۲۳ Registration Number: 243

رئیس هیات مدیره

دبیر

Quality Policy (From C.E.O)

Te-tisse Construction Company as a long standing and experienced company for execution of construction projects such as dam and tunnel, water and wastewater, road and building, as well as oil projects, is aiming to develop our dear homeland, IRAN, improving the level of employer's satisfaction and participating in local and international competitions; so it has established Quality Management System in accordance with ISO 9001; 2000. For achieving the said goals, the following principles encompass all activities of the Company:

- Execution of projects on schedule and on time.
- Execution of projects with high quality that meet the employer's satisfaction.
- Employing experienced and skilled manpower in all levels of the company.
- Improving the skilfulness of our manpower by applying continuous training.
- Giving continuity to the effectiveness of the Quality Management System.
- Prompting the cultivation of giving priority to the quality and system of communal cooperation in all levels of the company.
- Observing the rules of Health, Safety and Environment (HSE) in the execution of projects in order to preserve the good health of the personnel and to protect the environment.
- Using efficient machinery and equipment in execution of the projects.

The C.E.O of the Company has obliged himself to support the Quality Management System by improving the skilfulness of the personnel concerning fundamentals, aims and objectives of the Quality Policy as well as revising, improving, and affecting all the processes, procedures, and factors of the Quality Management System.

Quality Management

In order to improve the satisfaction of employers and to present acceptable works in all qualified grounds of works as well as to increase technical knowledge and to develop skills of personnel, Te-tisse company decided to establish Quality Management based on ISO 9001-2000; having passed necessary processes, this Quality Management System was established in all activities of this company since 2005, and the certification has been issued by Global Group.

GlobalGROUP
The Key to World Markets

Certificate of Registration

This Is To Certify That The
QUALITY MANAGEMENT SYSTEM
of
Te-tisse Co.
No.19,Jahangir Alley ,Pars St.,Ferdosi Sq.,Enghelab Ave., Tehran, 1131966814, Iran
for
Construction and installation of civil engineering, Building, Tunnel, Water and Sewage
has been assessed and registered against the provisions of
ISO9001:2000
International Standard
With

Registration Number:	79471218728	EA Code:	28
Project Number:	24-7947-1-Q	Exclusions:	7.3
Assessment Date:	5 December 2007		
Current Certification Date:	18 December 2007		
Current Certification Expiry:	5 December 2010		
Certification Approval Date:	18 December 2007		
Certification Approved By:		Group Chief Executive Officer	

Registration should be validated online at the Global website www.globalcertification.com
When doing so please use the registration number only.
Registration is subject to the management system being continually maintained to the above standard under regular surveillance. Should surveillance not take place when required, registration shall be removed.
This certificate is the property of Global Certification Limited and must be returned upon request.

UKAS
039

Serial Number: 5449

Board of Directors

Ali Akbar Golsorkhi

C.E.O

Education:

MSc in Civil Engineering
1965, Polytechnic University

Work Experiences:

1965 Project Manager at Nava Co.
1972 Project Manager at Systan Co.
1981 C.E.O of Juan Co.
1982 C.E.O of Te–Tisse Co.

Ali Asghar Golsorkhi

Chairman of the Board

Education:

MSc in Mechanic Engineering
1965, Polytechnic University

Work Experiences:

1965 Project Manager at Maaster Co.
1986 Project Manager at Baastan Co.
1986 Project Manager at Gilard Systan Co.
1984 Managing Director of Secant Co.
1990 Chairman of Board of Te–Tisse Co.

Other Current Responsibilities:

- *Member of Board of Directors of Construction Companies Association (Tazmin)*
- *Member of Board of Directors of Construction Companies Association (Taavoni)*

Abolhasan Saeedi

Deputy Chairman of the Board

Education:

MSc in Social Science
1970, Tehran University

Work Experiences:

1970 Employment in Interior Ministry
1981 Deputy Chairman of Board at Te–Tisse Co.

Naser Ghafouri

Member of the Board of Directors

Education:

BSc in Surveying Engineering
1971, Hamburg Technical College

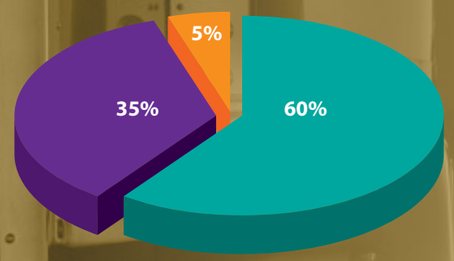
Work Experiences:

1971 Surveying works in Germany
1981 Surveying works at Nezam Amery Co., Iran
1981 Member of Board of Directors at Te–Tisse Co.

Human Resources

This Company believes that specialist, energetic, expert and seeking manpower is the main factor of its success.
Continuous effort of our personnel in achieving technical, scientific and technological goals along with execution of ongoing projects lead to gain unpredictable development during decades of construction.

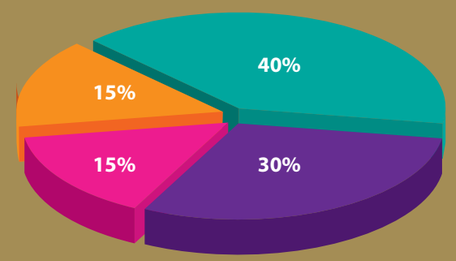
HR Diagram



Machinery

Te-Tisse Construction Company has completed and ongoing projects inside and outside of Iran; in these projects modern and up-to-date machinery should be used in addition to expert and specialist manpower resources. For execution of these projects and its developing plans and long-term strategic goals, this company uses about 100 heavy and semi-heavy machinery and also 250 lightweight machinery and other construction equipment.
Maintenance and renovation of these machinery and developing the quality and quantity of them is and will be one of preferences of Te-Tisse`s goals.

Machinery Diagram



Projects Location

Province Guide

- Alborz
- Ardebil
- Azerbaijan, East
- Azerbaijan, West
- Bushehr
- Chahar Mahaal and Bakhtiari
- Fars
- Gilan
- Golestan
- Hamadan
- Hormozgān
- Ilam
- Isfahan
- Kerman
- Kermanshah
- Khorasan, North
- Khorasan, Razavi
- Khorasan, South
- Khuzestan
- Kohgiluyeh and Boyer-Ahmad
- Kurdistan
- Lorestan
- Markazi
- Mazandaran
- Qazvin
- Qom
- Semnan
- Sistan and Baluchistan
- Tehran
- Yazd
- Zanjan

Projects

Section 1 | Pumping Station and Pipe-Line Projects

- Pumping Station and Pipe-Line of Bandar Abbas - Ghotb Abad and Mehraran
- Imam Ali Highway Pipe-Line

Section 2 | Hydro-Structure Projects

- Qom Reservoir with 20.000 m^3 Capacity
- Dam and Irrigation Network of Berimevand (Executed by Te-Tisse - Patagh j.v.)

Section 3 | Tunnel Projects

- Tehran Eastern Sewer Tunnel and related Shafts in EPC contract (Lot III)
- Tehran Eastern Sewer Tunnel (Lot I)
- Sajjad Tunnel and Canal
- Kargar-Samany Tunnel
- Abdollah Abad Main Tunnel
- Navab Tunnel

Section 4 | Road and Railway Pfojects

- Main Road of Dorood - Isfahan (Lot VI) (Executed by Te-Tisse - Patagh j.v.)
- Railway of Pabedana - Zarand (Executed by Te-Tisse - Patagh j.v.)

Section 5 | Canal Projects

- Evin-Darakeh Project
- Khoshkeh Floodway Canal
- Water Conduct Collector and Resting Pool of Abdollah Abad (Lot II)
- Water Conduct Collector and Resting Pool of Abdollah Abad (Lot I)
- Koy-e-Nasr (Gisha) Collector and Pond
- Foomanat Irrigation Network

Section 6 | Water and Wastewater Treatment Plant Projects

- Water Supply from Zarrineh Rood to Tabriz - Construction of Treatment Plant (Executed by Te-Tisse - J.T.R j.v.)
- Mianeh Water Treatment Plant in EPC contract (Executed by Te-Tisse - J.T.R j.v.)
- Ardebil Wastewater Treatment Plant (Executed by Te-Tisse - Dezone j.v.)

Section 7 | Building Projects

- Sahand Industrial University - Chemistry and Material Engineering Faculty (Executed by Te-Tisse - J.T.R j.v.)
- Dr. Qarazi 256-Bed Hospital in Isfahan (Executed by Te-Tisse - J.T.R j.v.)

Pumping Stations and Pipe-Line of Bandar Abbas - Ghotb Abad and Mehraran

Facts

Type of structure	: Pumping Station No I of Bandar Abbas
Type of structure	: Pumping Station No II of Ghotbabad
Type of structure	: Pumping Station No III of Mehraran
Location	: Bandar Abbas - Rafsanjan
Start date	: 1990
Duration	: 17 Months
Client	: Ministry of Petroleum
Consultant	: Nargan Consulting Engineers

Main works

- Earth works
- Construction activities
- Road works activities
- Foundation activities
- Variant structures
- Mechanical and Electrical installation

Brief

Construction of terminals and pumping stations of Bandar Abbas - Ghotb Abad - Mehraran for pumping petroleum from 26″ pipe line and infra-structures including landscaping, resorts, refuges, control buildings, guard rooms, sampling rooms, Yard of helicopter fuelling and gas station.

Pumping Stations and Pipe-Line of Bandar Abbas - Ghotb Abad and Mehraran

Pardisan-Qom Concrete Water Reservoir

Facts

Project Description	**: Concrete Water Reservoir**
Capacity	**: 20,000 m^3**
Location	**: Qom**
Start date	**: 2011**
Duration	**: 12 Months**
Client	**: Qom Water and Wastewater Company**
Consultant	**: Ramab Consulting Engineers**

Details

Total work based on primary contract

Earth work	**: 33,800 m^3**
Formwork	**: 11,000 m^2**
Steel work	**: 500,000 Kg**
Cast in place concrete	**: 5,500 m^3**
Shotcrete	**: 6,300 m^2**
HDPE sheet	**: 330 m^2**

Brief

Qom Water Reservoirs are constructed for water transmission to Pardisan city.

These structures are constructed to supply drinking water for 1,000-hectare Pardisan town and 5,000-hectare Maskan-e-Mehr town.

The required water is conducted to foreside-towns through a 1,200 mm pipeline with 5 Km length.

Pardisan-Qom Concrete Water Reservoir

Dam and Irrigation Network of Berimevand

Facts

Type of structure	: Concrete - Earth Dam and Reinforced Concrete Canals
Location	: Qasr-e-Shirin
Start date	: 1973
Duration	: 24 Months
Client	: Ministry of Energy - West Regional Water Co.
Consultant	: Mahab Ghods Consulting Engineers

Details

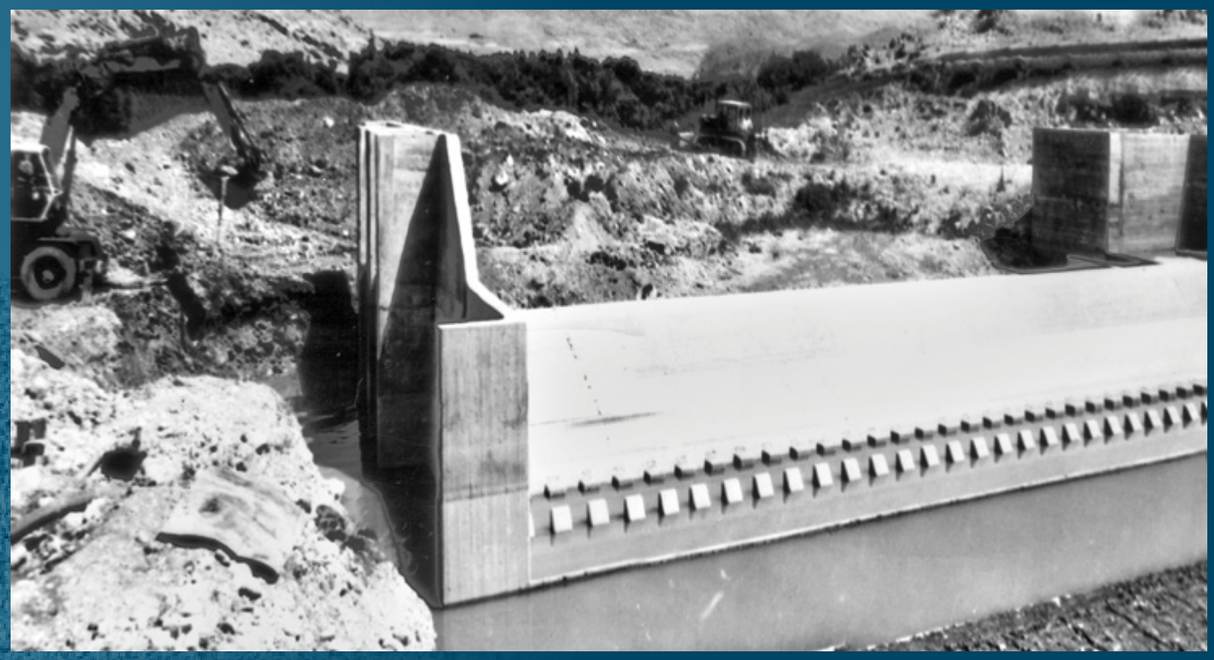
Total work based on primary contract

Earthwork	: 1,200,000 m^3
Formwork	: 45,000 m^2
Steelwork	: 3,300,000 Kg
Cast in place concrete	: 15,000 m^3

Brief

Construction of Irrigation Network of Berimevand Dam on Dasht-e-Zahab consisting of main and subsidiary canals; and construction of Berimevand Dam.

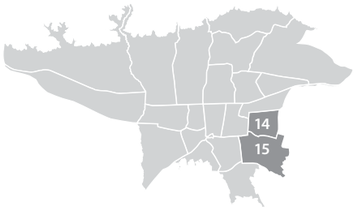
The dam was constructed on Berimevand river to supply water for irrigation of Dashteh-e-Zahab throught main and subsidiary canals.



Map Project

Tehran Eastern Sewer Tunnel & Related Shafts in EPC Contract (Lot III)

District of Tehran Municipality



Signs Guide

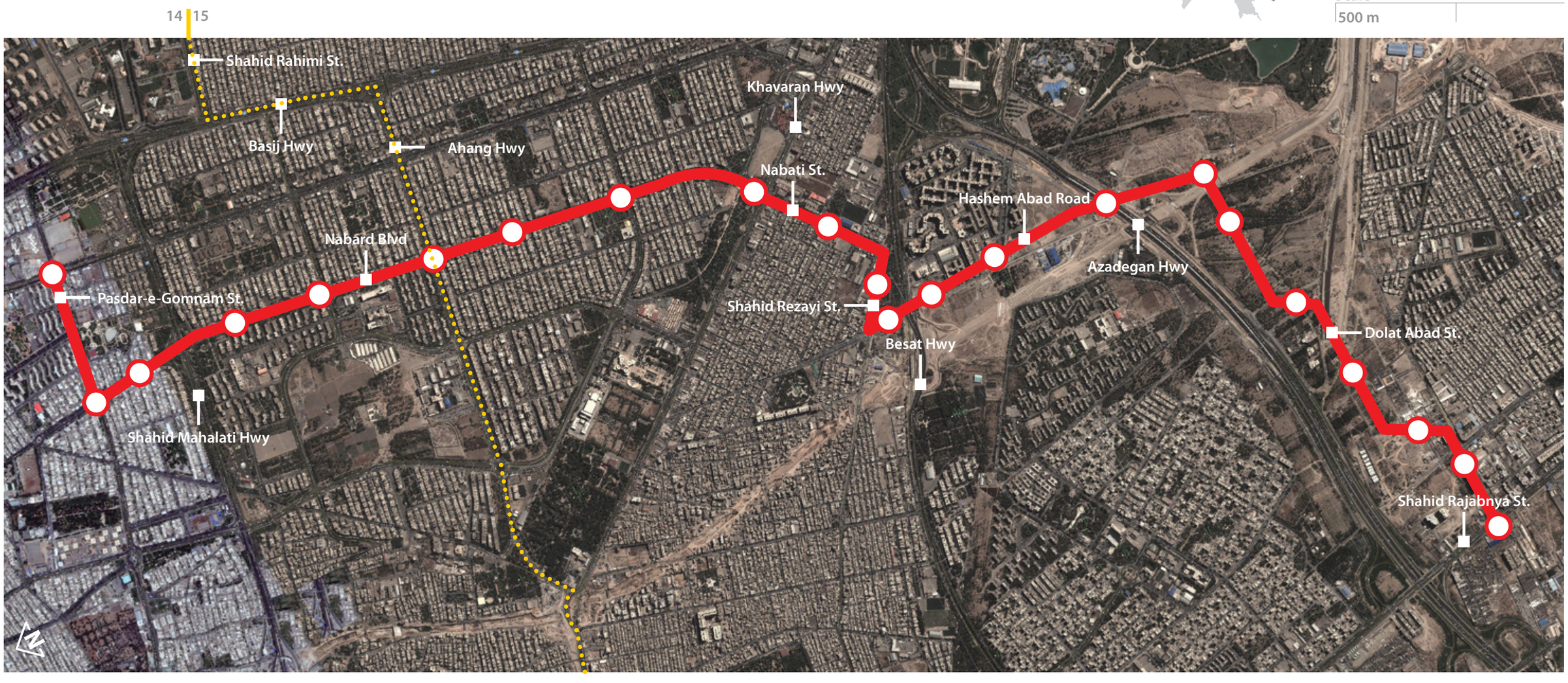
Tunnel Route

Manhole

Length : 8400 m

Scale

500 m



Tehran Eastern Sewer Tunnel and Related Shafts in EPC Contract (Lot III)

Facts

Type of structure	: Reinforced Concrete Tunnel
Length	: 8,400 m
Dimensions	: W: 2,500 mm H: 3,200 mm
Type of structure	: Reinforced Concrete Shafts
Number	: 20
Dimensions	: W: 2,400 mm H: 20 m
Location	: South of Tehran
Start date	: 2004
Duration	: 24 Months
Client	: Ministry of Energy - Tehran Sewerage Co.
Consultant	: Lar Consulting Engineers

Details

Total work based on primary contract

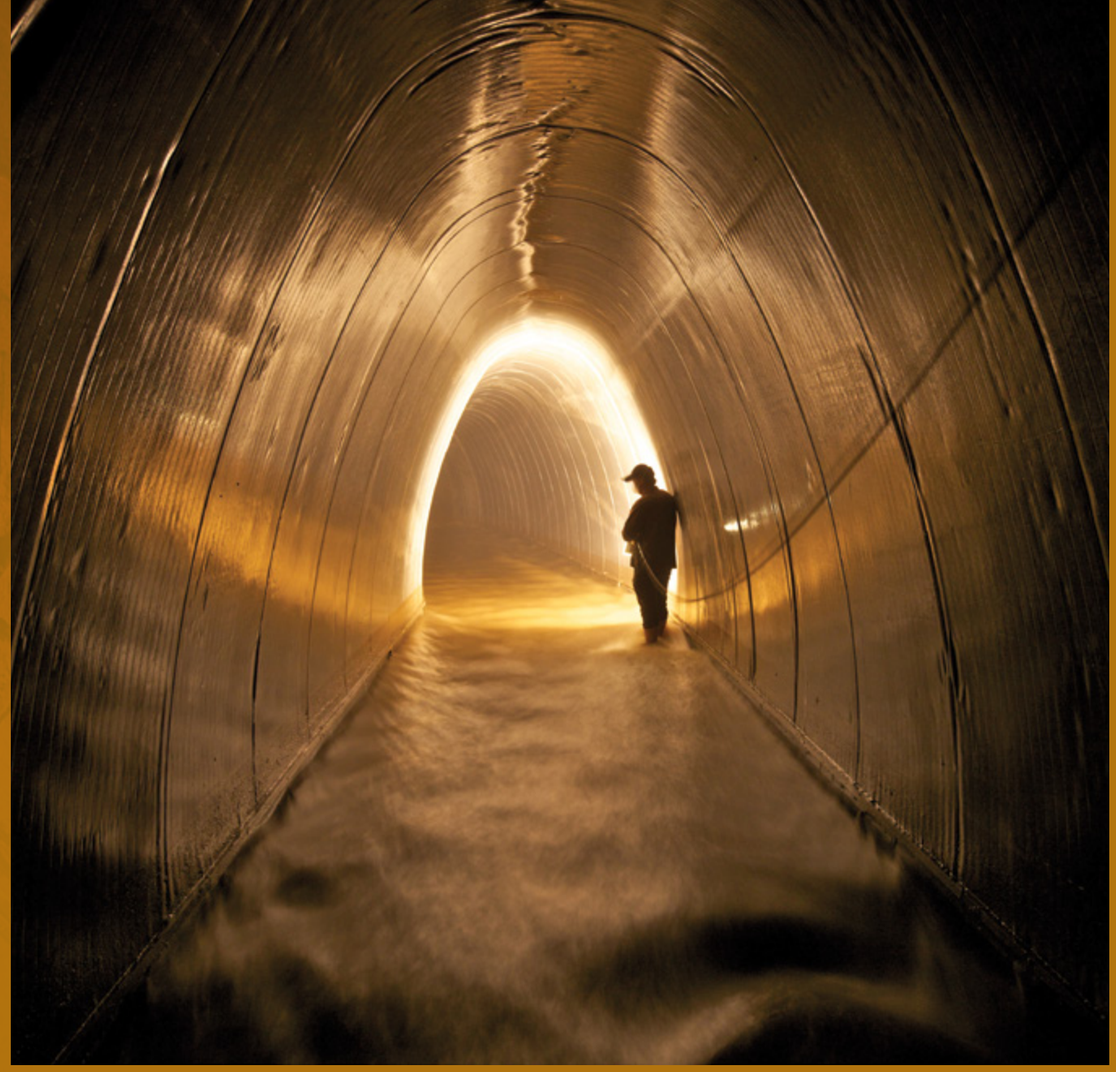
Earthwork	: 78,500 m^3
Formwork	: 67,000 m^2
Steelwork	: 5,400,000 Kg
Cast in place concrete	: 24,000 m^3
Shotcrete	: 69,000 m^3 (15cm)
HDPE sheet	: 65,000 m^2

Brief

This main tunnel is specifically for collecting the sewage of eastern area of Tehran, The sewage of this area is collected by 22 shafts and transmitted to wastewater treatment plant located in south of Tehran.

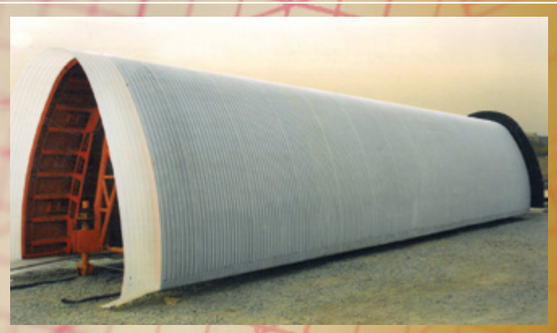
This reinforced concrete tunnel executed at 20 m underground and the interior surface of tunnel is covered with HDPE sheets to protect the tunnel from corrosion and increase its durablity.

The technology of covering the interior surface of tunnel with HDPE sheets was used in Iran for first time.



Tehran Eastern Sewer Tunnel

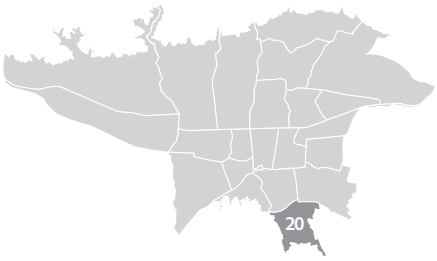
Innovation in using HDPE sheets for second lining in various shapes for the first time in Middle East to increase the life of hydraulic structures and sub-surface structures conveying wastewater.



Map Project

Tehran Eastern Sewer Tunnel (Lot I)

District of Tehran Municipality



Signs Guide

Tunnel Route

Manhole

Length : 2600 m

Scale

500 m

Tehran Eastern Sewer Tunnel (Lot I)

Facts

Type of structure	: Reinforced Concrete Tunnel
Lenght	: 2,600 m
Dimensions	: W: 3,200 mm H: 2,700 mm
Type of structure	: Reinforced Concrete Shafts
Number	: 11
Dimensions	: W: 2,400 mm H: 20 m
Location	: South of Tehran
Start date	: 1999
Duration	: 15 Months
Client	: Ministry of Energy - Tehran Sewerage Co.
Consultant	: Mahab Ghods Consulting Engineers

Details

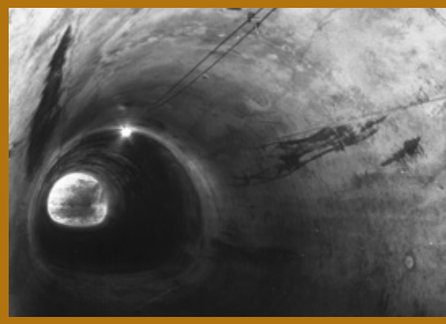
Total work based on primary contract

Earthwork	: 43,500 m^3
Formwork	: 21,300 m^2
Steelwork	: 2,000,000 Kg
Cast in place concrete	: 7,700 m^3
Shotcrete	: 28,000 m^2 (15cm)

Brief

Construction of reinforced concrete tunnel, 2,600 m in length and 3.2 m in site width, located under Ghayouri St. and Varamin St. From cheshmeh Ali to Moallem Sq. for conveying wastewater to Tehran Wastewater Treatment Plant.

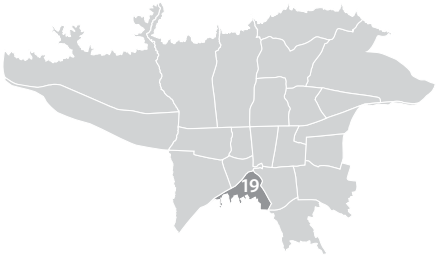
Using special plasticized and Micro-Silica to produce high strength and waterproof concerte for the first line in Midlle East.



Map Project

Sajjad Tunnel & Canal

District of Tehran Municipality



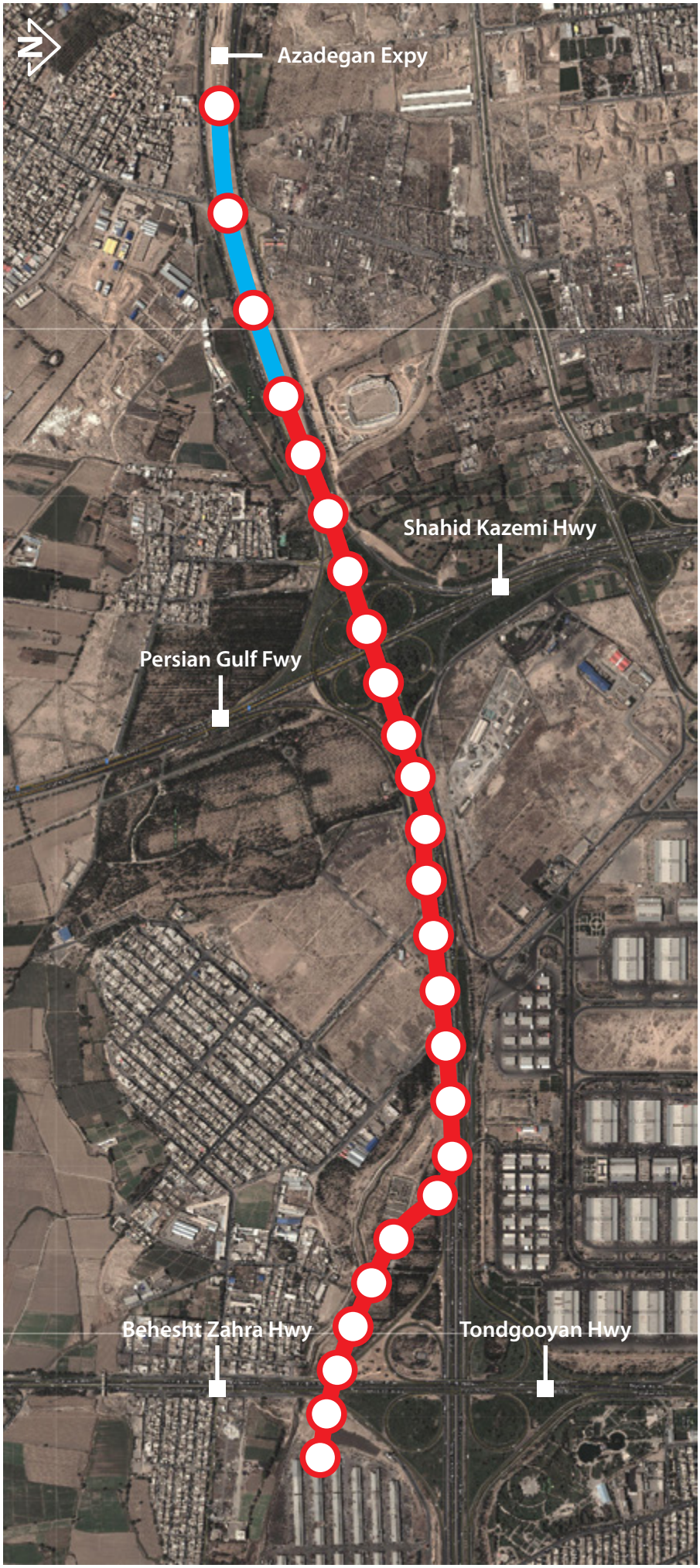
Signs Guide

- Cannal Route
- Tunnel Route
- Manhole

Length : 3440 m

Scale

200 m



Sajjad Tunnel and Canal

Facts

Type of structure	: Reinforced Concrete Tunnel
Lenght	: 3,440 m
Dimensions	: W: 3,000 mm H: 3,200 mm
Type of structure	: Reinforced Concrete Canal
Lenght	: 620 m
Dimensions	: W: 3,000 mm H: 2,800 mm
Type of structure	: Reinforced Concrete Shafts and Watersheds
Nomber	: 25
Dimensions	: W: 2,700 mm H: 20 m
Location	: South of Tehran
Start date	: 2002
Duration	: 30 Months
Client	: Tehran Municipality- khakrizab Co.
Consultant	: Sazian Consulting Engineers

Details

Total work based on primary contract

Earthwork	: 97,200 m^3
Formwork	: 41,500 m^2
Steel work	: 2,780,000 Kg
Cast in place concrete	: 18,200 m^3
Shotcrete	: 48,000 m^2 (15cm)

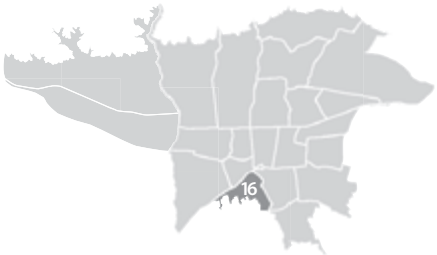
Brief

Construction of reinforced concrete tunnel in 3,440 m length and reinforced concrete canal in 620 m length located in Azadegan expressway from Jahad Sq. to Shahid Sanikhani bridge to convey surface water of Tehran.

Map Project

Kargar-Samany Tunnel

District of Tehran Municipality



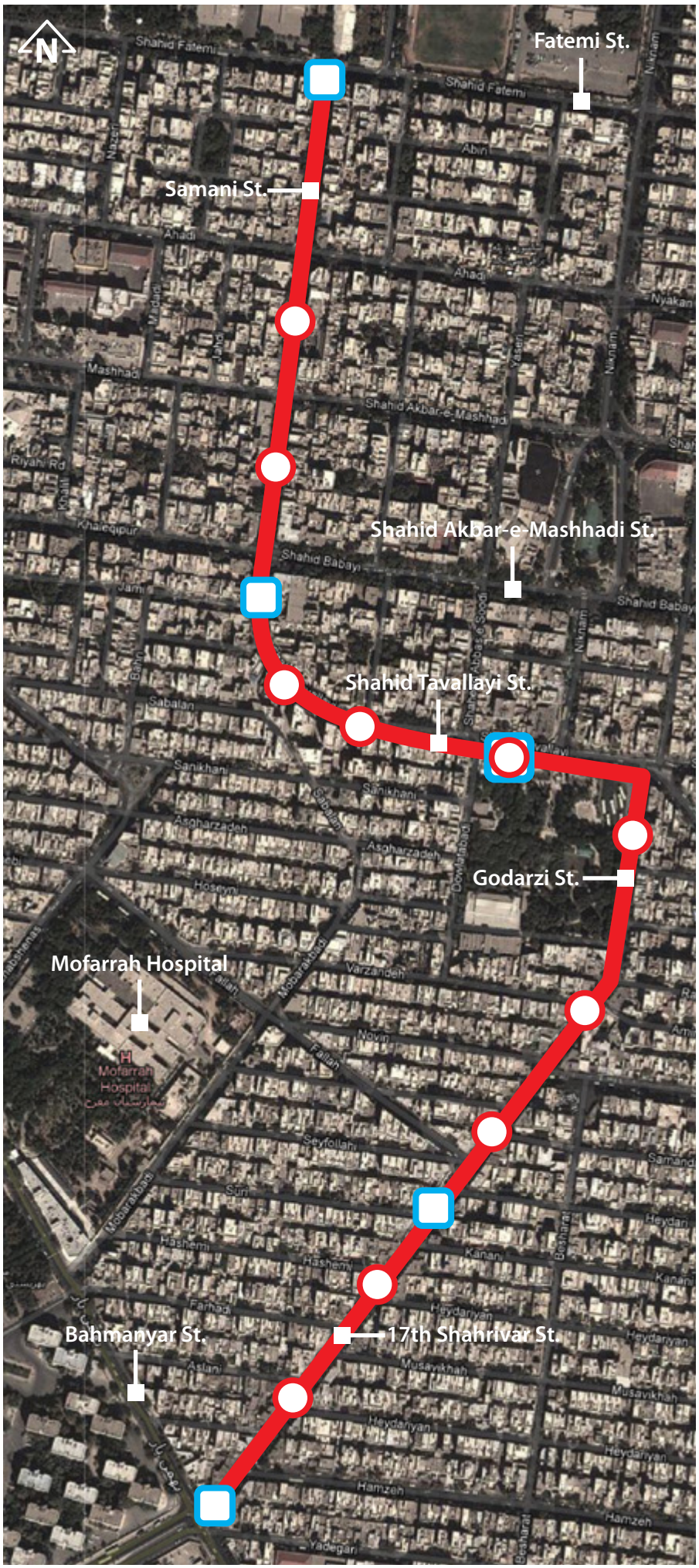
Signs Guide

- Tunnel Route
- Manhole
- Basins

Length : 2000 m

Scale

200 m



Kargar-Samani Tunnel

Facts

Type of structure	: Reinforced Concrete Tunnel	
Length	: 2,000 m	
Dimensions	: W: 1,800 mm	H: 2,010 mm
Type of structure	: Reinforced Concrete Shafts	
Number	: 5	
Dimensions	: W: 1,800 x 1,800 mm	H: 20 m
Type of structure	: Reinforced Concrete Manholes	
Number	: 12	
Dimensions	: W: 1,800 mm	H: 20 m
Location	: South of Tehran	
Start date	: 2006	
Duration	: 25 Months	
Client	: Tehran Municipality- Khakrizab Co.	
Consultant	: Omran Mohit Zist Consulting Engineers	

Details

Total work based on primary contract

Earthwork	: 13,000 m^3
Formwork	: 15,000 m^2
Steelwork	: 840,000 Kg
Cast in place concrete	: 6,500 m^3
Shotcrete	: 17,500 m^2 (15cm)
Woodenworks	: 1,400 m^3

Brief

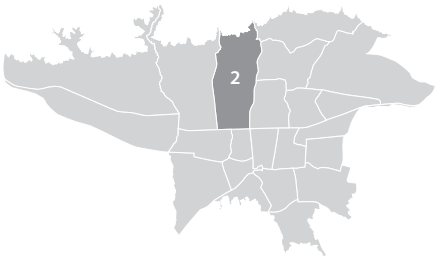
Execution of Surface Water Collection Tunnel of Kargar Samani, a branch of Bahmanyar Tunnel, in 1600m length having semi-oval cross section constructed by in-situ reinforced concrete method, and execution of all other subsidiary structures including water collectors, manholes, rubbish removal basins, and the other relevant works necessary for operating the tunnel.

Kargar-Samani Tunnel

Map Project

Abdollah Abad Main Tunnel

District of Tehran Municipality



Signs Guide

Tunnel Route

Manhole

Length : 500 m

Scale

200 m

Abdollah Abad Main Tunnel

Facts

Type of structure	: Reinforced Concrete Tunnel
Lenght	: 1,000 m
Dimensions	: W: 3,200 mm H: 4,000 mm
Type of structure	: Reinforced Concrete Shaft
Number	: 1
Dimensions	: W: 2,000 mm H: 10 m
Location	: West of Tehran
Start date	: 1991
Duration	: 12 Months
Client	: Tehran Municipality
Consultant	: Engineering and Improvement Organization of Tehran city.

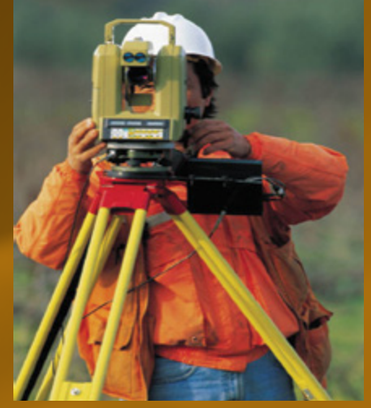
Details

Total work based on primary contract

Earthwork	: 15,000 m^3
Formwork	: 5,651 m^2
Steelwork	: 180,000 Kg
Cast in place concrete	: 4,290 m^3
Shotcrete	: 6,200 m^2 (15cm)

Brief

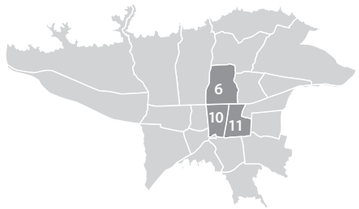
Construction of reinforced concrete tunnel of Abdollah Abad in 1,000 m length and 3.2 m width berween lot I and lot II canals for conveying the surface water of northern watershed of Saadat Abad area. This tunnel is connected to Evin-Darakeh floodway.



Map Project

Navab Tunnel

District of Tehran Municipality



Signs Guide

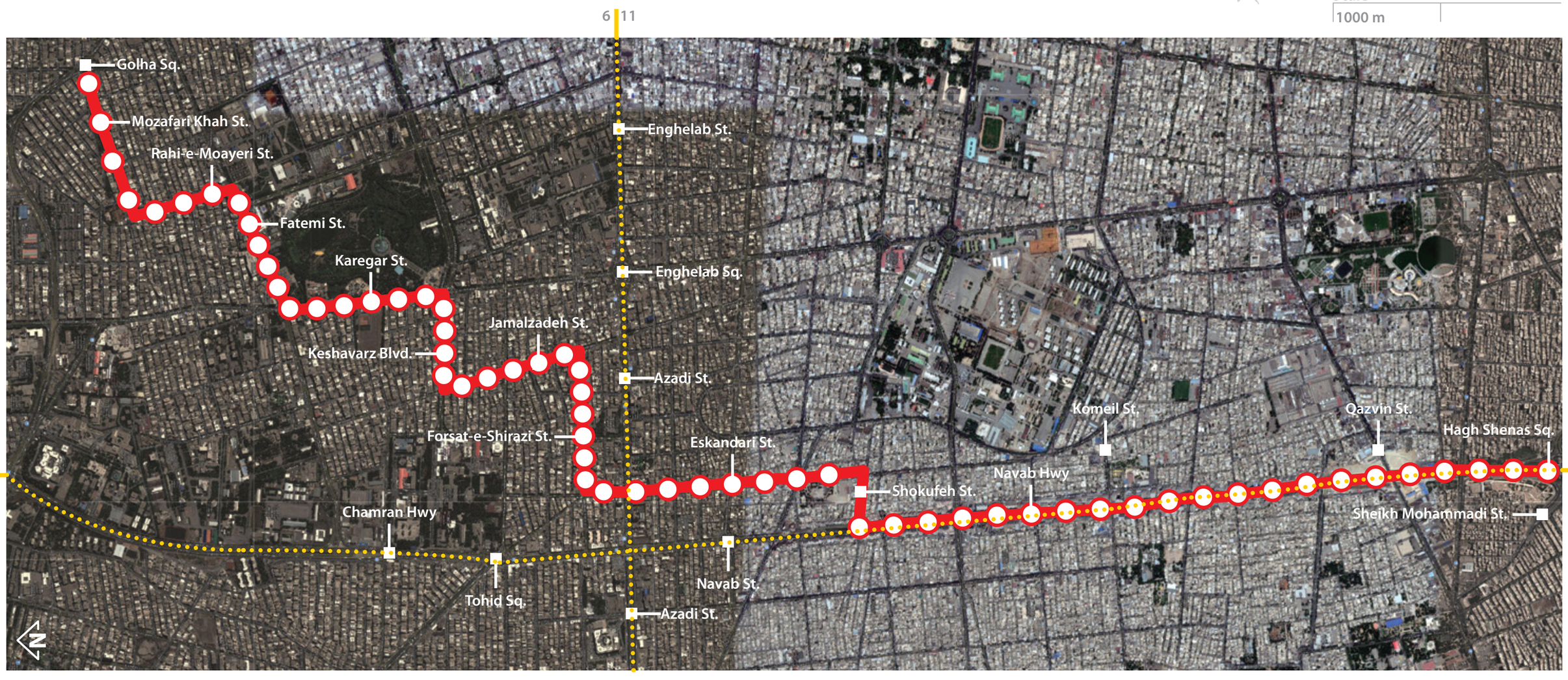
Tunnel Route

Manhole

Length : 10800 m

Scale

1000 m



Navab Tunnel

Facts

Type of structure	: Reinforced Concrete Tunnel
Length	: 10,800 m
Dimensions	: W: 2,800 mm H: 2,800 mm
Type of structure	: Reinforced Concrete Shafts
Number	: 85
Dimensions	: W: 1,600mm H: 20 m
Location	: West of Tehran
Start date	: 1983
Duration	: 50 Months
Client	: Tehran Municipality
Consultant	: Engineering and Improvement Organization of Tehran city.

Details

Total work based on primary contract

Earthwork	: 125,000 m^3
Formwork	: 50,000 m^2
Steelwork	: 870,000 Kg
Cast in place concrete	: 135,500 m^3

Brief

Main branch of Navab surface water collecting tunnel (Watershed of West of Tehran) in 10,800 m length beginning from Golha Sq. (Jalal-e-Al-e-Ahmad located in North of Tehran) and passing through Dr Fatemi, Kargar, Navab, Haghshenas streets connecting to Nahr-e-Firoozabady at Haghshenas Sq. It conveys the surface water of west of Tehran to Nahr-e-Firoozabady. The width of this tunnel is 2.8 m and it has reinforced concrete lining.

Isfahan–Dorood Main Road Lot(VI)

Facts

Type of structure	: Main Road
Length	: 32 Km
Type of structure	: Reinforced Concrete Bridges
Number	: 140
Location	: Isfahan
Start date	: 1989
Duration	: 48 Months
Client	: Ministry of Road and Transportation
Consultant	: ETCO Consulting Engineers Rahazma Consulting Engineers

Details

Total work based on primary contract

Earth work	: 2,700,000 m^3
Asphalt	: 160,000,000 Kg
Formwork	: 80,000 m^2
Steel work	: 4,000,000 Kg
Cast in place concrete	: 22,000 m^3

Brief

This main road was constructed in 10 lots to connect Isfahan province to Khuzestan province. Length of lots 6 is 36 Km and includes 140 bridges with spans up to 20 m.

Pabedana-Zarand Railway

Facts

Type of structure	**: Railway**
Length	**: 35 Km**
Type of structure	**: Reinforced Concrete Bridges**
Number	**: 100**
Type of structure	**: Railway Station Construction**
Number	**: 2**
Location	**: Kerman**
Start date	**: 1984**
Duration	**: 48 Months**
Client	**: National Iranian Steel Co.**
Consultant	**: Metra-Imenrah Consulting Engineers Co.**

Details

Total work based on primary contract

Earth work	**: 8,000,000 m^3**
Formwork	**: 60,000 m^2**
Steel work	**: 6,000,000 Kg**
Cast in place concrete	**: 15,000 m^3**

Brief

This project was constructed in Pabedana mountainous region connect Pabedana coal mines to Zarand and finally to the main line for transmission of coal to Bandar-Abbas.

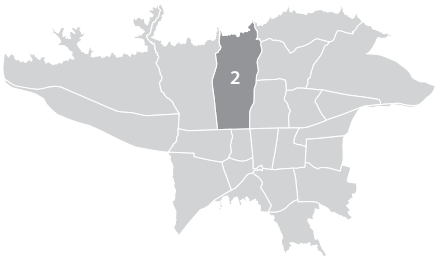
Road construction has been done by several blastings due to mountainous region.

Excavation Blasting

Map Project

Evin-Darakeh Project

District of Tehran Municipality



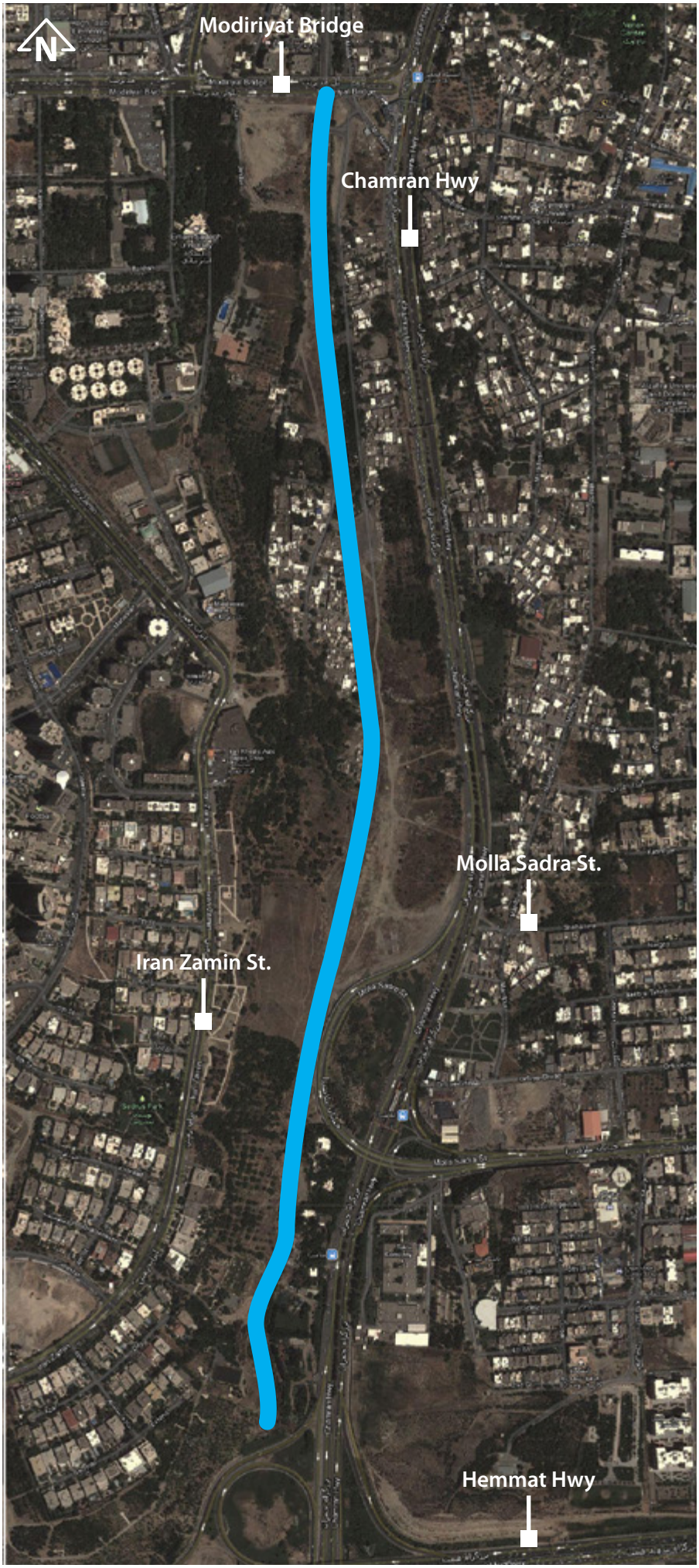
Signs Guide

Cannal Route

Length : 2100 m

Scale

1000 m



Evin-Darakeh Project

Facts

Type of structure : Reinforced concrete canal
Length : 2,100 m
Dimensions : W: 4,500 mm H: 3,500 mm

Main works

- Earthworks of different parts of canal
- Construction of canal's bed
- Construction of canal's walls
- Construction of box culvert canal
- Construction of concrete canal

Other works

- Drainage of back part of the walls with concrete pipes and rock
- Earthworks of back part of the walls of canal, preparing and installing of water stop

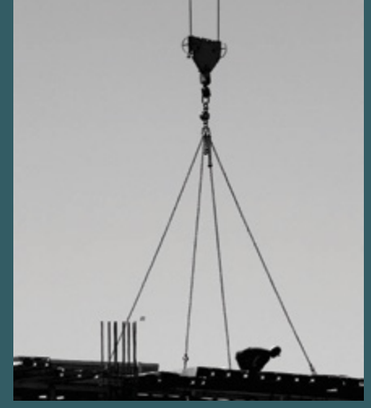
Location : West of Tehran
Start date : 1995
Duration : 12 Months
Client : Tehran Municipality - Khakrizab Co.
Consultant : Deputyship of Supervision and Execution of Engineering and Improvement Organization of Tehran city.

Details

Total work based on primary contract
Earthwork : 102,000 m^3
Formwork : 12,000 m^2
Steelwork : 534,000 Kg
Cast in place concrete : 12,000 m^3

Brief

Evin-Darakeh project which includes concrete-rock canals, open concrete canals and covered concrete canals with 4.5 m width and 2,100 m length and also resting pools is constructed between Pole-e-Modiriat and Koy-e-Nasr to convey surface water of north region to south region.

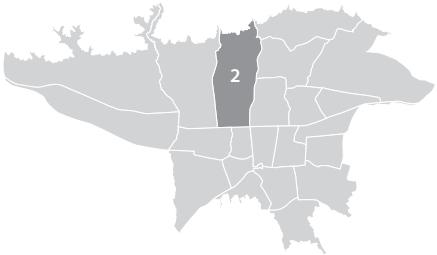


Evin-Darakeh Canal

Map Project

Khoshkeh Floodway Canal

District of Tehran Municipality



Signs Guide

Cannal Route

Resting Pool

Length : 2000 m

Scale

200 m

Khoshkeh Floodway Canal

Facts

Type of structure : Reinforced Concrete Canal
Length : 2,000 m
Dimensions : W: 4,000 mm H: 3,000 mm
Type of structure : Reinforced Concrete Reservoir
Length : 200 m
Number : 2
Capacity : 20,000 m^3

Main works

- Construction of reservoir basins in 20,000 m^3 capacity along Evin-Darakeh Floodway
- Construction of reservoir basins in 20,000 m^3 capacity along khoshkeh Floodway
- Construction of concrete canal along khoshkeh Floodway
- Construction of cross bridge along khoshkeh Floodway and exit road of Darakeh
- Construction of bottom and embankment of canal
- Construction of settling basin ramps
- Construction of the walls of settling basin
- Construction of gabions behind of the walls of settling basin
- Construction of bridge of canal
- Construction of drop and levelling of canal

Location : West of Tehran
Start date : 1995
Duration : 15 Months
Client : Tehran Municipality
Consultant : Engineering and Improvement Organization of Tehran city.

Details

Total work based on primary contract
Earthwork : 230,000 m^3
Formwork : 3,200 m^2
Steelwork : 990,000 Kg
Cast in place concrete : 19,000 m^3

Brief

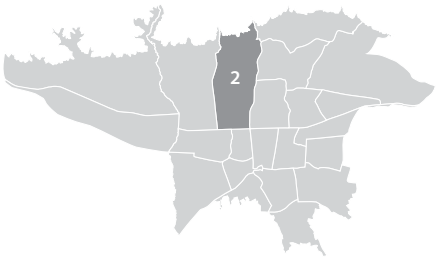
Construction of concrete canal in 3,000 mm width and 2,000 m length and related settling basins in 350 m length for collecting the surface water of eastern watershed of Saadat Abad – Darakeh Floodway.

Khoshkeh Floodway Canal

Map Project

Water Conduct Collector & Resting Pool of Abdollah Abad (Lot II)

District of Tehran Municipality



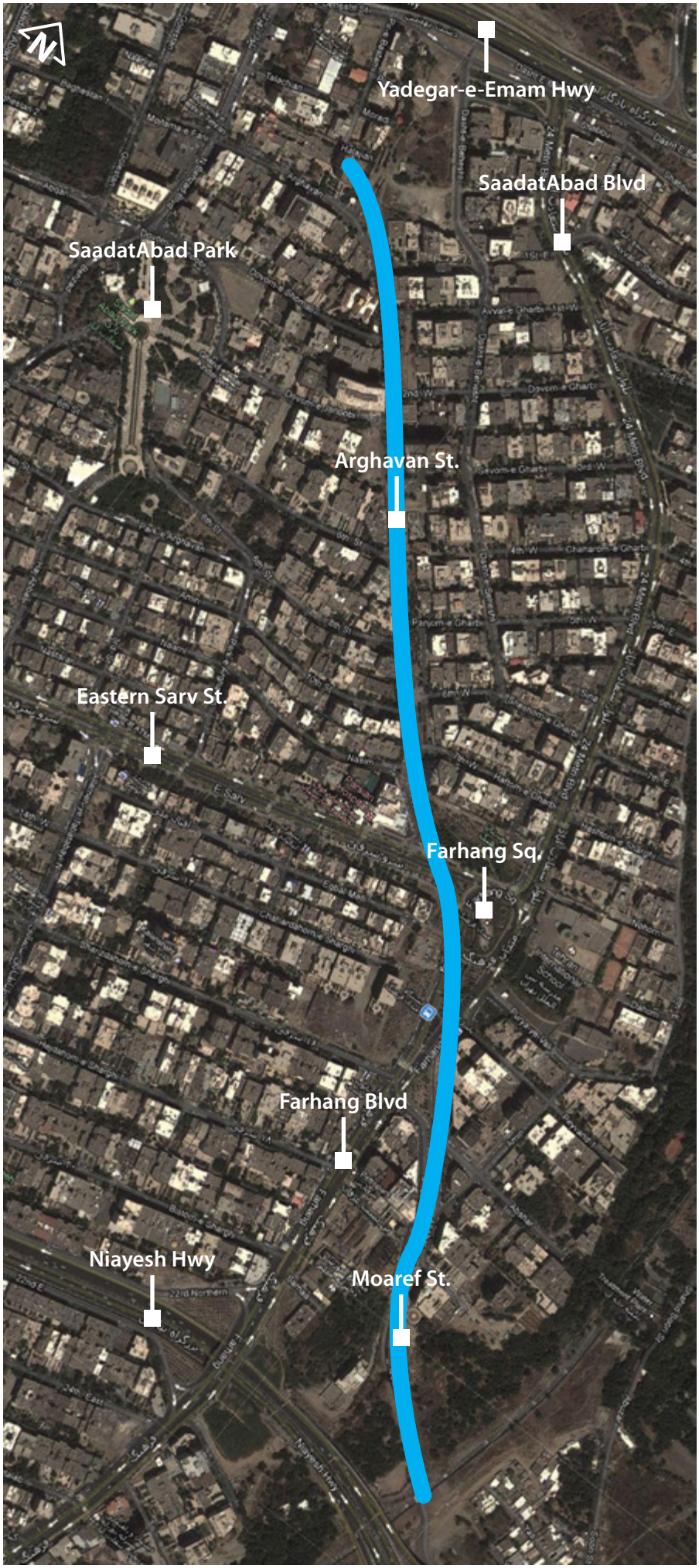
Signs Guide

Cannal Route

Length : 2000 m

Scale

1000 m



Water Conduct Collector and Resting Pool of Abdollah Abad (Lot II)

Facts

Type of structure	: Reinforced Concrete Canal
Length	: 2,000 m
Dimensions	: W: 4,000 mm H: 4,000 mm
Location	: West of Tehran
Start date	: 1994
Duration	: 12 Months
Client	: Tehran municipality
Consultant	: Engineering and Improvement Organization of Tehran city.

Details

Total work based on primary contract

Earthwork	: 44,800 m^3
Formwork	: 34,000 m^2
Steelwork	: 1,180,000 Kg
Cast in place concrete	: 13,000 m^3

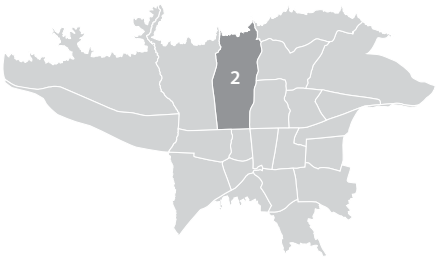
Brief

Organizing the region and construction of reinforced concrete canal of Abdollah Abad in 2,000 m length and 4 m width for conveying the surface water of northern watershed of Saadat Abad area. This canal is constructed along Abdollah Abad canal (Lot I).

Map Project

Water Conduct Collector & Resting Pool of Abdollah Abad (Lot I)

District of Tehran Municipality



Signs Guide

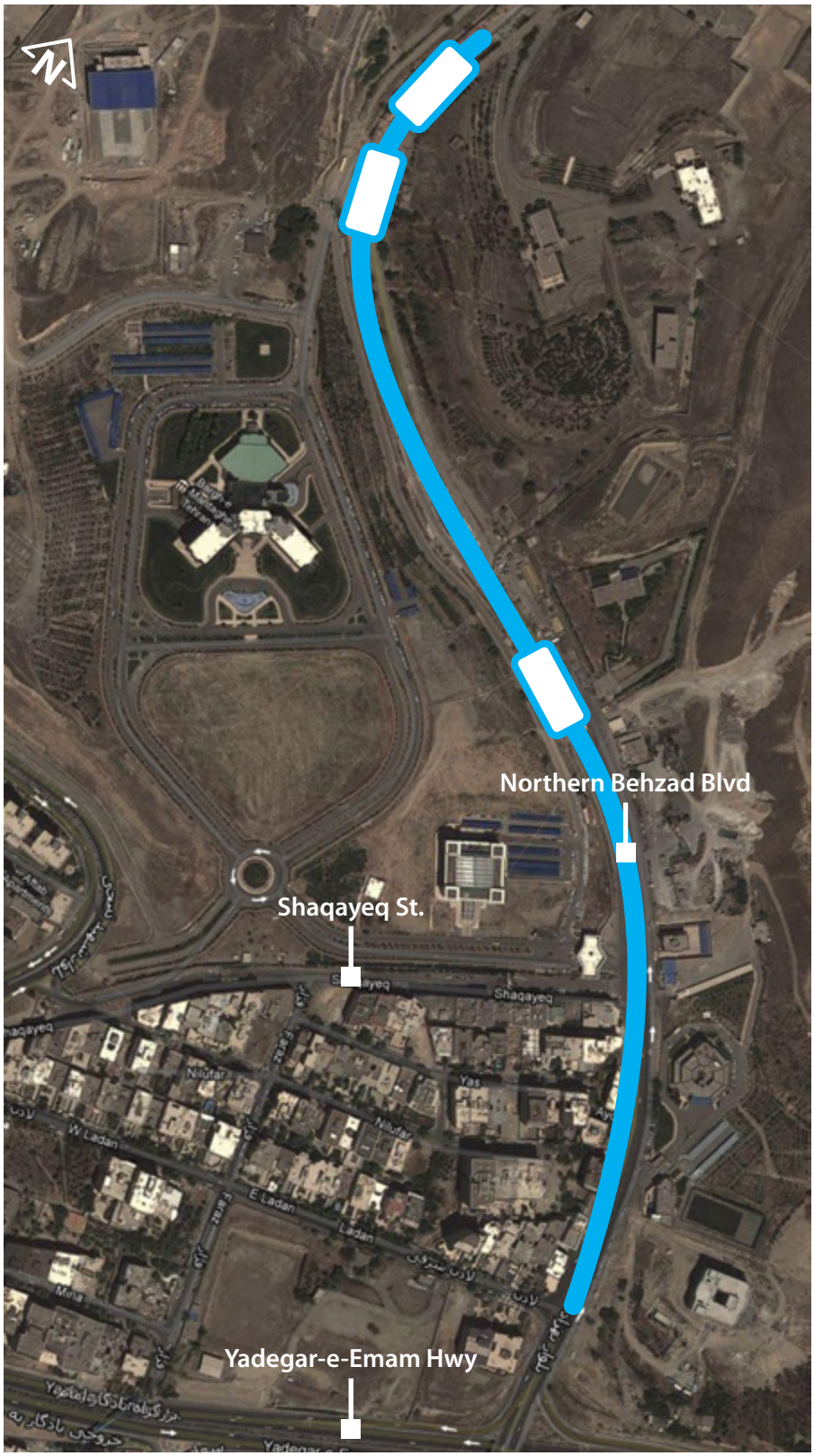
Cannal Route

Resting Pool

Length : 2000 m

Scale

200 m



Water Conduct Collector and Resting Pool of Abdollah Abad (Lot I)

Facts

Type of structure	: Reinforced Concrete Canal
Length	: 4,000 m
Dimensions	: W: 4,000 mm H: 4,000 mm
Type of structure	: Reinforced Concrete Resting Pools
Number	: 3
Dimensions	: W: 20,000 mm H: 8,000 mm
Location	: West of Tehran
Start date	: 1991
Duration	: 24 Months
Client	: Tehran Municipality
Consultant	: Engineering and Improvement Organization of Tehran city.

Details

Total work based on primary contract

Earthwork	: 194,000 m^3
Formwork	: 68,000 m^2
Steelwork	: 2,200,000 Kg
Cast in place concrete	: 25,800 m^3

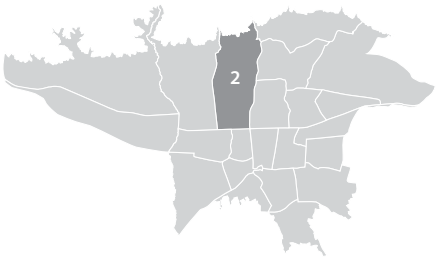
Brief

Organizing the region and construction of reinforced concrete canal of Abdollah Abad in 4,000 m length and 4 m width for conveying the surface water of northern watershed of Saadat Abad area. Also, constructing the settling basins for removing sand and gravel of floodway in three steps.

Map Project

Koy-e-Nasr (Gisha) Collector & Pond

District of Tehran Municipality



Signs Guide

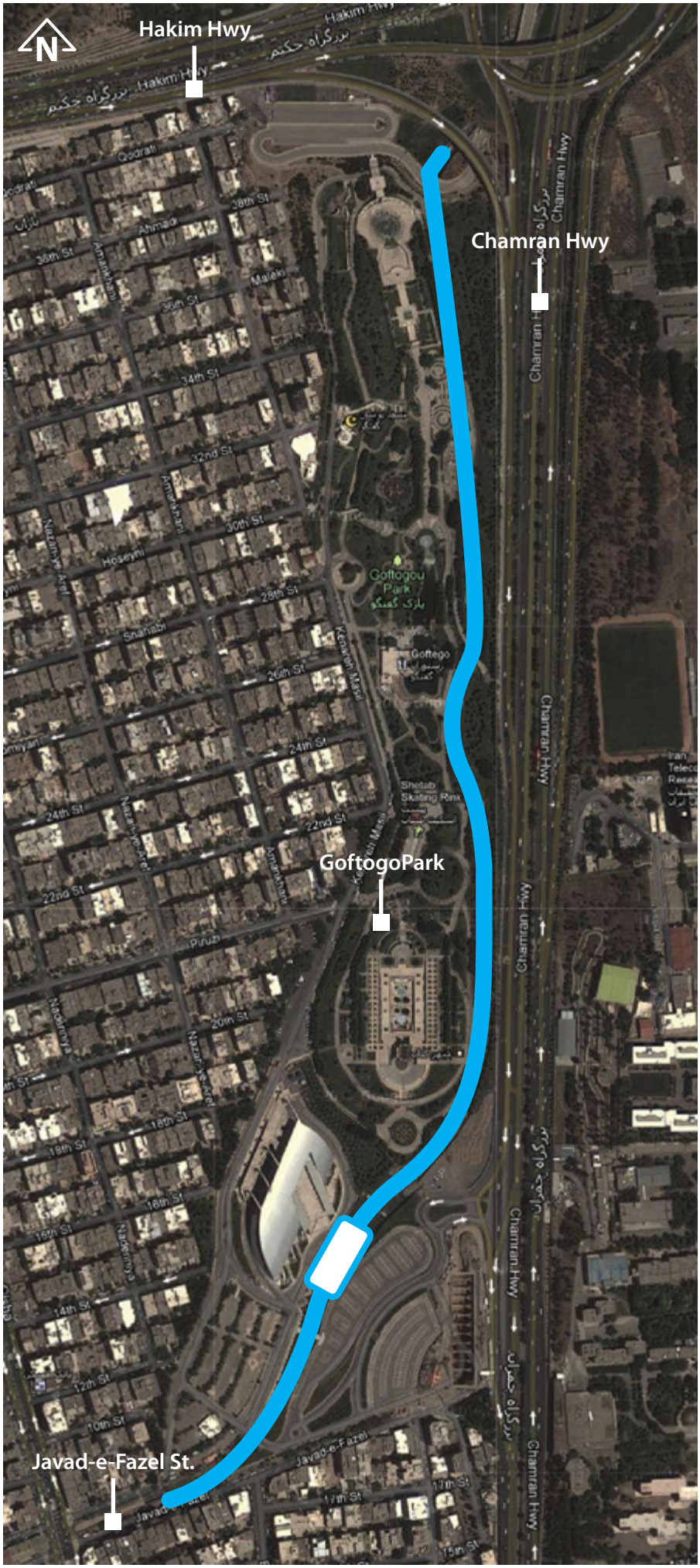
Cannal Route

Resting Pool

Length : 1800 m

Scale

200 m



Koy-e-Nasr (Gisha) Collector and Pond

Facts

Type of structure	: Reinforced Concrete Canal
Length	: 1,800 m
Dimensions	: H: 3,000 mm W: 10,000 mm
Type of structure	: Reinforced Concrete Pond
Length	: 140 m
Dimensions	: H: 7,000 mm W: 30,000 mm
Location	: West of Tehran
Start date	: 1991
Duration	: 14 Months
Client	: Tehran Municipality
Consultant	: Engineering and Improvement Organization of Tehran city.

Details

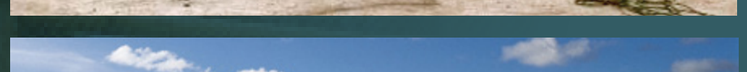
Total work based on primary contract

Earthwork	: 94,000 m^3
Formwork	: 10,000 m^2
Steelwork	: 500,000 Kg
Cast in place concrete	: 10,000 m^3

Brief

Construction of reinforced concrete canal within Koy-e-Nasr having 1,800 m length and 10m width for conveying surface water of west northern of Teheran as well as the construction of the related settling pond for removing the sand and gravel in multiple steps.

Koy-e-Nasr (Gisha) Collector and Pond



Foomant Irrigation Network

Facts

Type of Structure	: Reinforce Concrete Canal
Lenght	: 140 Km
Location	: Fooman
Start date	: 1977
Duration	: 36 Months
Client	: Water and Electricity Organization of North Region
Consultant	: Sogreah-Gid Consulting Engineers

Details

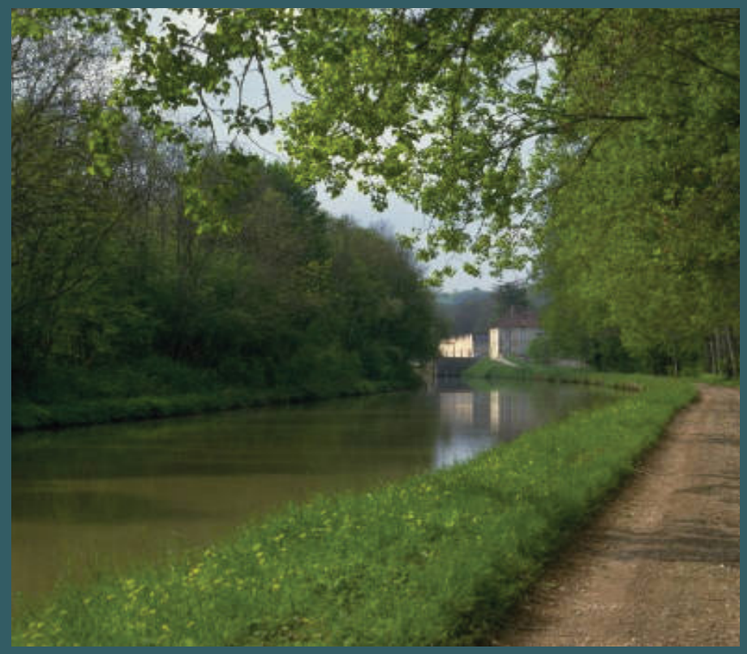
Total work based on primary contract

Earthwork	: 8,000,000 m^3
Formwork	: 50,000 m^2
Steelwork	: 3,000,000 Kg
Cast in place concrete	: 30,000 m^3

Brief

Construction of Foomanat Irrigation Network-Eastern F2 consisting of main and subsidiary canals of Foomanat desert covering an area of 16 Hectares.

This project was done to convey water of Fooman tunnel from Tarik dam on Sefid-Rood river.



Zarrineh Rood to Tabriz
Water Supply Treatment Plant

Facts

Location	**: Tabriz**
Start date	**: 1994**
Duration	**: 36 Months**
Client	**: East Azarbaijan and Ardebil Regional Water Co.**
Consultant	**: Mahab Ghods Consulting Engineers**

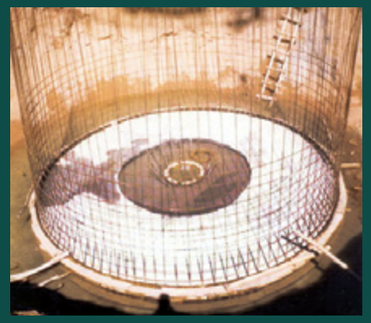
Details

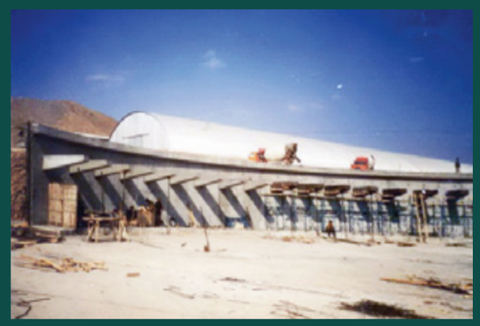
Execution of civil works of water treatment plant in capacity of 5 m^3/sec consisting of:

- Main building of filter hall, clarifier basins, chemical store for chlorination, office building, mixing and recycling basins, installation of valves, drainage canals, and the other structures related to main building.

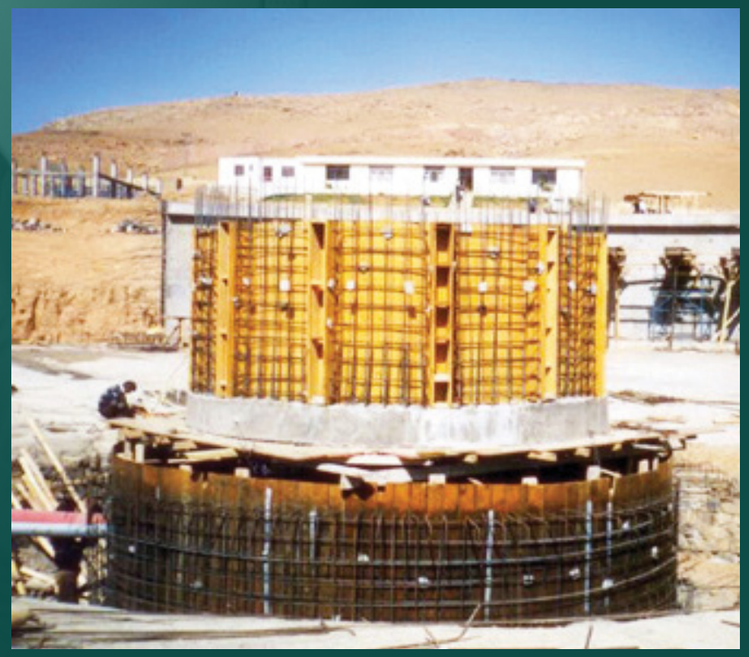
Brief

Purpose of Plan: Supply of water for Tabriz from Zarrineh Rood river located in Miandoab city, 180 km far from Tabriz city.





Zarrineh Rood to Tabriz Water Supply Treatment Plant



Ardebil Wastewater Treatment Plant

Facts

Type of Treatment	**: Aerated Lagoon**
Location	**: Ardebil**
Start date	**: 1999**
Duration	**: 13 Months**
Client	**: Ministry of Power - Ardebil Water and Wastewater Co.**
Consultant	**: Mahab Ghods Consulting Engineers**

Detail

Average Flow	**: 23,760 m^3/day**
BOD 5	**: 0.05 Kg/day**
TSS	**: 0.06 Kg/day**
Population	**: 62,500 PE**

Technical Units

- Raw wastewater pump station
- Screening
- Aerated lagoons
- Polishing lagoons
- Disinfection (Chlorine System)

Mianeh Wastewater Treatment Plant

Facts

Type of Treatment	: Indirection Filtration
Location	: Mianeh
Start date	: 2008
Duration	: 30 Months
Client	: Ministry of Energy - Azerbaijan Regional Water Co.
Consultant	: Abran Consulting Engineers

Detail

Average Flow	: 38,880 m^3/day
BOD 5	: 9.55 mg/day
TSS	: 150 mg/day

Technical Units

- Pre aeration
- Screening
- Pre disinfection
- Flash mixer
- Pre settling
- Pulsator
- Filtration
- Post disinfection

Mianeh Water Treatment in EPC Contract

Sahand Industrial University
Faculty of Chemistry and Material Engineering

Facts

Type of structure	: Concrete Building
Location	: Tabriz
Start date	: 1999
Duration	: 36 Months
Client	: Sahand Industrial University
Consultant	: Iran Arch Consulting Engineers

Dtails

Construction and completion of Chemistry, Material, and Polymer Engineering Faculties, Buildings in four blocks with 28,000 m^2 total area, and Construction of Electricity Posts (3 unit) and underground water reservoir in 2,000 m^3 capacity

Brief

Construction of Azarbaijan Industrial Grand University Considering technical and scientific situation of the region.

Dr. Qarazi 256 – Bed Hospital

Facts

Type of structure	: Concrete Building
Location	: Isfahan
Start date	: 1987
Duration	: 44 Months
Client	: Khanehsazi Iran Co.
Consultant	: Khanehsazi Iran Co .

Dtails

Construction of main building of the hospital in 2,400 m^2
Subsidiary Buildings of the hospital in 2,000 m^2
Landscaping the area of the hospital in 60,000 m^2
Other structures related to the main building of hospital

Brief

Construction of Hospital on the basis of high International Standards at the service of insured people.