AOCE
Dr.AHMAD ALOUMAR C.E

Since 1997

contact us...

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CONSULTING ENGINEERS

Pioneering Services...





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Why AOCE ?

- Extensive history (since 1997) of active contribution to the engineering consultancy industry.
- Hundreds of comprehensive consultancy services, with emphases on Civil and Architectural engineering disciplines.
- Integrated engineering studies, satisfying the needs of the wide range of our clients.
- Harmonic and consolidated team of seasoned academics and highly ranked experts in almost EVERY ASPECT of engineering.
- Accurate compliance with most internationally renowned standards, with strict adherence to time schedules and quality criteria.

Who We Are:

Our team comprises a selection of distinguished academics and highly qualified consultants in almost every aspect of engineering disciplines.
The commencement of the Firm's activities, initially lunched as an expert academic advisory body under the umbrella of Al-Baath University, dates back to the early Nineties of the past century.
Throughout the past more-than twenty years of its career, AOCE has been effectively contributing to the national development process in Syria, by delivering quality engineering studies and other consulting services to a wide range of governmental, public, as well as private bodies.

We WELCOME and are continually seeking the development of close professional ties with other regional and international partners, in a bid to share expertise, lunch joint ventures, and benefit from the state-of-art achievements in the engineering consulting industry.

AOCE is well aware of the requirements and challenges of the coming phase of rebuilding Syria. Armed by its high-ranked, committed personnel and fairly long history of expertise in the engineering consultancy field, it is prepared and expected to play a prominent role in the national duty of rebuilding the homeland, SYRIA.

Founder

Dr. En. Ahmad AlOumar

- Ph.D. in Geomatics Engineering.
- BS.c in Civil Engineering.
- Associate Professor ,Chair of Department of Surveying Engineering ,Civil Engineering Faculty ,Al Baath University.
- Visiting Professor at Dundee University, Scotland.
- Winner of Fulbright Academic Grant, offered by the Department of State, USA, for Distinguished Researchers around the world.
- Visiting Researcher at the University of North Carolina at Charlotte (UNCC), USA.
- Consultant Engineer in Geomatics Engineering, The Order of Syrian Engineers.
- Consultant Engineer in Highways' Design, The Order of Syrian Engineers.
- More than 30 years of active contribution to Engineering Consulting Industry.



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Mission:

We, in AOCE, are committed to continuously improving our services - by boosting tools, skills and capabilities of our team -to help clients in achieving their visions and objectives.
Utilizing state-of-the-art technologies and approaches, we endeavor to provide the highest standards in our services, complete our tasks in the shortest possible time and utmost degree of proficiency.
One of AOEC's basic values is sustaining the scientific and academic nature of consultancy services, while maintaining the highest level of professionalism and compliance with related technical specifications.
In this sense we embrace the research interests of young scientists via encouraging, and sponsoring research initiatives and trends in engineering related fields.

Vision:

In AOCE we strive to:

- Pioneer state-of-the-artengineering technologies & technological solutions.
- Be the best value for money to our clients.
- Incorporate research activities in industry.
- Improve our society.
- Sustain our environment.

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Disciplines & Services:

Based on international standards, codes, procedures and a commitment for excellence, we offer professional services, oriented to clients' distinctive needs.
AOCE provides consulting services in numerous disciplines of engineering including:

- Drone Photogrammetry.
- Topographic Surveying, Mapping & geoinformation services.
- Geographic Information Systems (GIS).
- Regional & Urban Planning.
- Roads, Highways & Bridge Engineering.
- Transportation & traffic.
- Structural Engineering.
- Integrated infrastructure facilities design (Road, Sewage, Water Supply, Electrical Power Supply, Telecommunication, & Surveillance Networks).
- Environmental & Hydrological Engineering.
- Sanitations, Wastewater Treatment Plants & Water Supply Networks.

Our professional activities cover:

- Preparation of Master Plans.
- Preparation of Urban Development Schemes.
- Preparation of Feasibility Studies.
- Preliminary Designs.
- Detailed Working Drawings.
- Preparation of Technical Specifications.
- Bills of Quantities.
- Conditions of Contracts.
- Analysis of Tenders.
- Renovation of old buildings.
- Supervision of Construction.
- Control of Materials Testing.
- GIS Analysis.

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Projects:

Our completed projects count hundreds, and spread all over the nationalsoil of Syria. The following is merely an illustrative sample of tasks, classified bythe type of delivered services:

1. Integrated Studies of Residential and Industrial Zones

One of our prominent projects of this type is a 340000 m²-Area **Service Complex in** "Kherbet Elshayyab".

Owner: Damascus Governorate.
Contract No. 45 for the year 2011.



Scope of Services:

- Topographic, Geotechnical, Hydrological, & Environmental studies of the nominated site.
- Land Use studies and Urban Planning of the general site.
- Infrastructure studies of roads and streets, wastewater network, water and electrical energy supply networks, telecommunication and internet networks and surveillance system studies.
- Architectural, structural, mechanical, electrical, interior sanitation and water supply studies of all buildings, workshops and other kinds of constructions.
- All complementary documents like Technical Specifications, Bills of Quantities, Book of Conditions and other required documents for tendering.
- Integrated studies of a road junction connecting the site of interest with Damascus-Suwayda Highway.

Sample Similar Projects

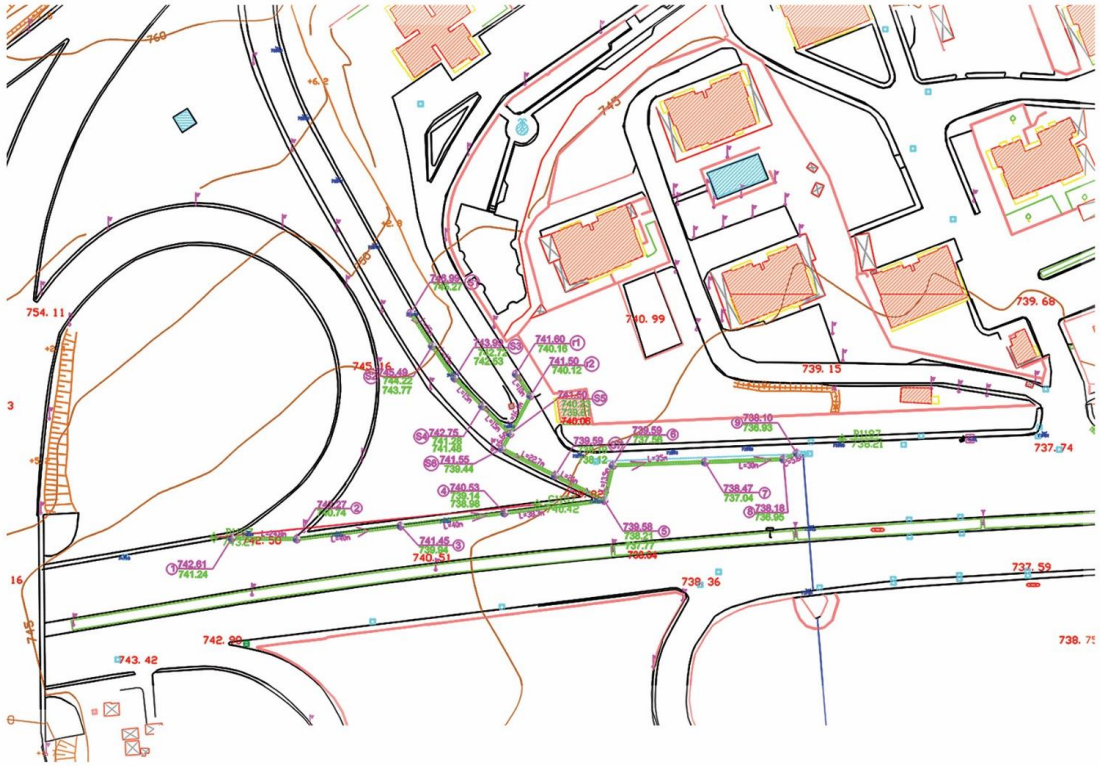
- Housing district , Al Halas Zone, Quneitra Technical Directorate , Contract No.16, 2021.
- Industrial Zones Jajiah 2,3,4 , Sreihen Municipality, Contract No.1 , 2020.
- Industrial Zones in Jinan , Jinan Municipality, Contract No.1 , 2020.
- Industrial Zones in Qomhana, Qomhana Municipality, Contract No.1 , 2020.
- Industrial Zones in Maardes, Maardes Municipality, Contract No.1 , 2020.
- Industrial Zones Jajiah 1 , Sreihen Municipality, Contract No.1 , 2019.
- Industrial Zone in Shin, Shin Town Council, Contract No.2 , 2019.
- Industrial Zone in Al Quaryatayn, Al Quaryatayn City Council, Contract No.1 , 2019.
- Industrial Zone in Al Swarey, Al Swarey Municipality, Contract No.1 , 2018.
- Industrial Zone in Al Sayyid, Al Sayyid Municipality, Contract No.3 , 2017.
- The Industrial City in Al Thawra, Al Thawra City Council, Contract No.12, 2010.

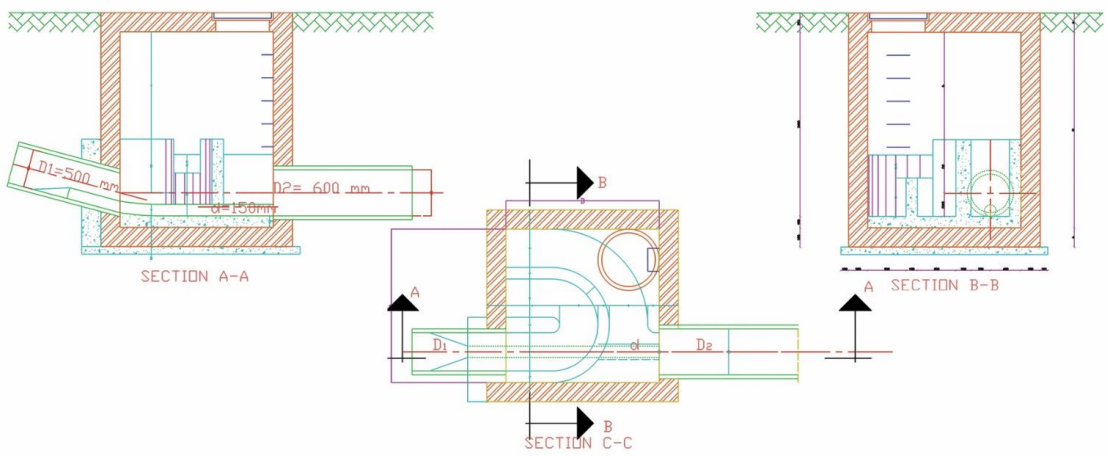
2. Flood Protection Studies:

One of the most characteristic studies that our firm has coped with was the Flood Protection Studies for **Damascus City**.

Owner: Damascus Governorate.

Contract No. 89 for the year 2010.

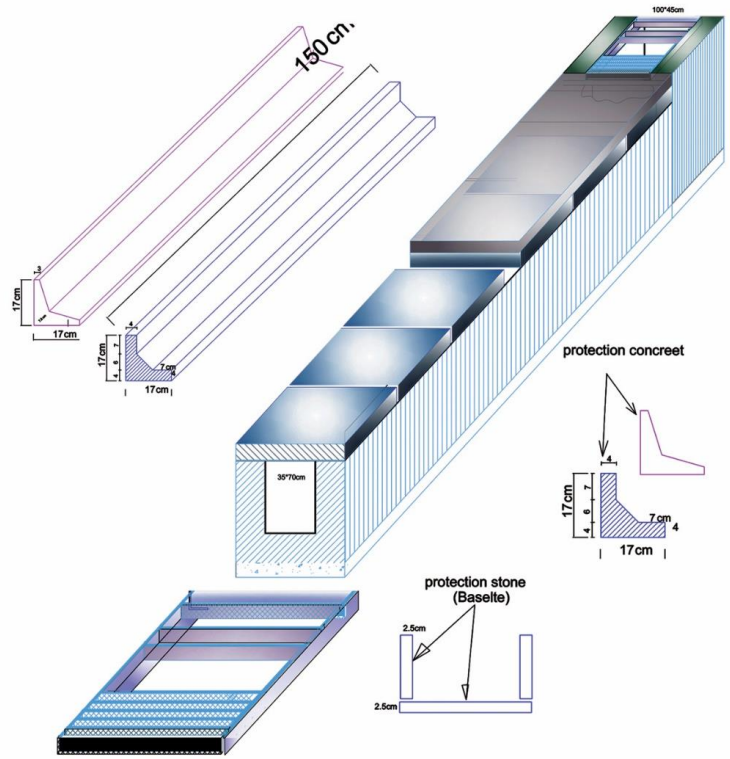


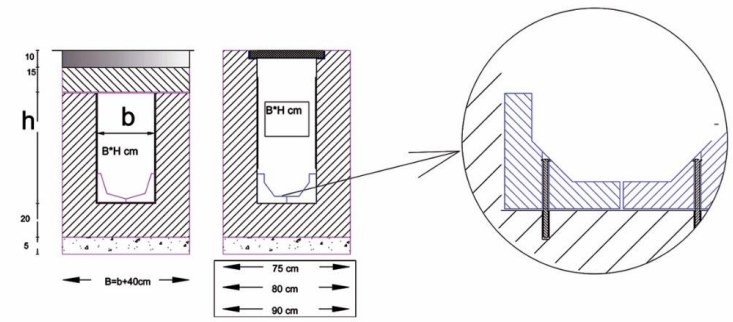


The purpose of work was establishing flood protection channels to drain torrents, caused by rain storms, for nine districts of Damascus City. These district, located at the slopes of Qasioun mountain, are:

Barzeh - Ruken Al Din – Al Mouhajrin - Dummar – New Cham-Al Mazzeh-Saroujah - Al Midan.

To implement the task, scope of services encompassed: Geomatics, Geotechnical, Geological, hydrological & Hydrogeological, Hydraulic, and structural studies.









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3. Drone Photogrammetry:

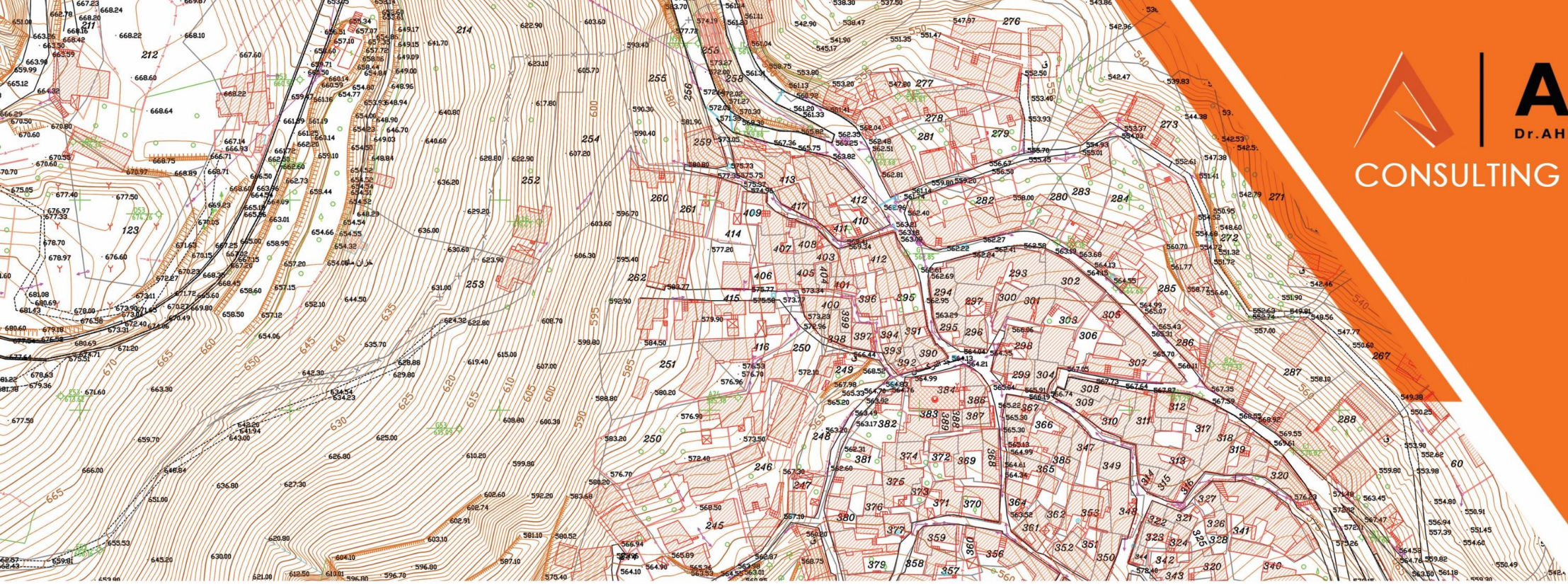
Drone photogrammetry is one of the most contemporary trends in the world of mapping and geoinformation. It has revolutionized the industry of spatial data acquisition, map making and all other georeferenced tasks, and greatly facilitated the process of decision-making support.

We are honored to be the first to adopt and apply this approach in the geoinformation and land surveying industry in Syria, with a number of completed (in compliance with the Ministry of Public Works & Housing technical specifications for 1/1000 scale topographic mapping) and delivered projects .

Sample Similar Projects

- Topographic & cadastral mapping of the Industrial City of Hassia, Homs Governorate, Syria.
- Topographic mapping for urban planning purposes of Almukharram Al Fuqaney City, Homs Governorate, Syria.
- Topographic & cadastral mapping of the City of Rablah, Homs Governorate, Syria.
- Topographic mapping for urban planning purposes of several Industrial Zones, Hama Governorate, Syria.
- Cadastral mapping of several sites in Homs Governorate, Syria.
- Topographic mapping for Road design of Wadi Alnadara, Homs Governorate, Syria.





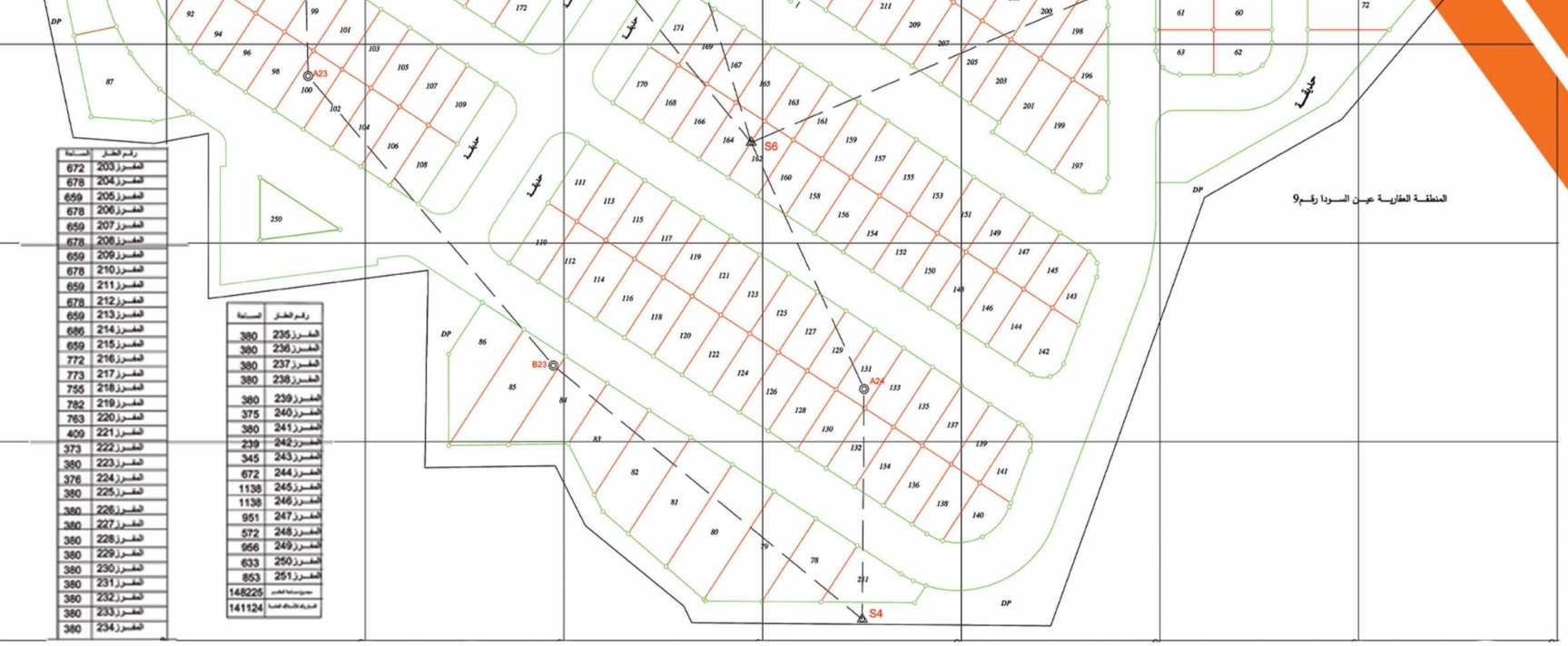
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4. Digital Topographic Surveying Projects:

Since 2004, our group has been an active and a very distinguished partner of numerous ministries and other public bodied in the field of Topographic Surveying in Syria. The completed and delivered zones, surveyed for various purposes, compile tens of thousands of hectares all over the Syrian Soil. This was, and still, inspired and motivated by the presence and leadership of distinguished academic figures in the stuff and work team of the firm.

Sample Similar Projects

- Topographic Mapping of the city of Almukharram Al Fuqaney, Ministry of Public Works and Housing, Contract No. 7511, 2022 .
- Topographic and social survey of Orchards Zone, Directorate of Technical Services in Homs Governorate, Contract No. 1, 2010.
- Topographic Mapping of the southern entrance to Homs City, Homs Governorate, Contract No. 129, 2009.
- Topographic survey of Al Waleed suburb in Homs City, Homs City Council, Contract No. 155, 2008.
- Topographic survey of Zone /D/ in Homs City, Ministry of Local Administration and Environment, Contract No. 3/68/D, 2005.
- Topographic survey of Fahel Town in Homs, Ministry of Local Administration and Environment, Contract No. 9486/1/, 2005.
- Topographic Survey of towns of (Furaykah - Ltamenah - Kafr Buhum - Uqayribat - Kernaz) in Hama Governorate, Ministry of Local Administration and Environment, Contract No. 3/68/D, 2006.
- Topographic Mapping of Ein Al Louwza Roundabout in the city of Hama, Directorate of Technical Services in Hama Governorate, Contract No. 17, 2008.
- Topographic Survey of town of Kafr Zita in Hama Governorate, Ministry of Local Administration and Environment, Contract No. 14/68/D, 2006.
- Topographic Survey project for the village of Besireen in Hama Governorate, Ministry of Local Administration and Environment No. 14/68/D of 2006.
- Topographic survey of Al Ghazali farm in Hama Governorate, Al Bustan Municipality, Contract No. 33, 2009 .
- Topographic survey of Kherbet ElJoz and Ein ElSoda, Directorate of Technical Services in Idlib, Contract No. 219, 2009.
- Topographic survey of the village of Eshtabraq, Directorate of Technical Services in Idlib, Contract No. 212, 2009.



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5. Cadastral Surveying Projects:

Cadastral survey and real estate subdivision deem one of the most important, complex, and property-sensitive branches of Geomatics Engineering, as long as it establishes and entails specific legal rights and obligations. Since its incorporation, our firm has been effectively involved with this kind of professional activities, via undertaking and completion of numerous relevant consultancy services, as listed below.

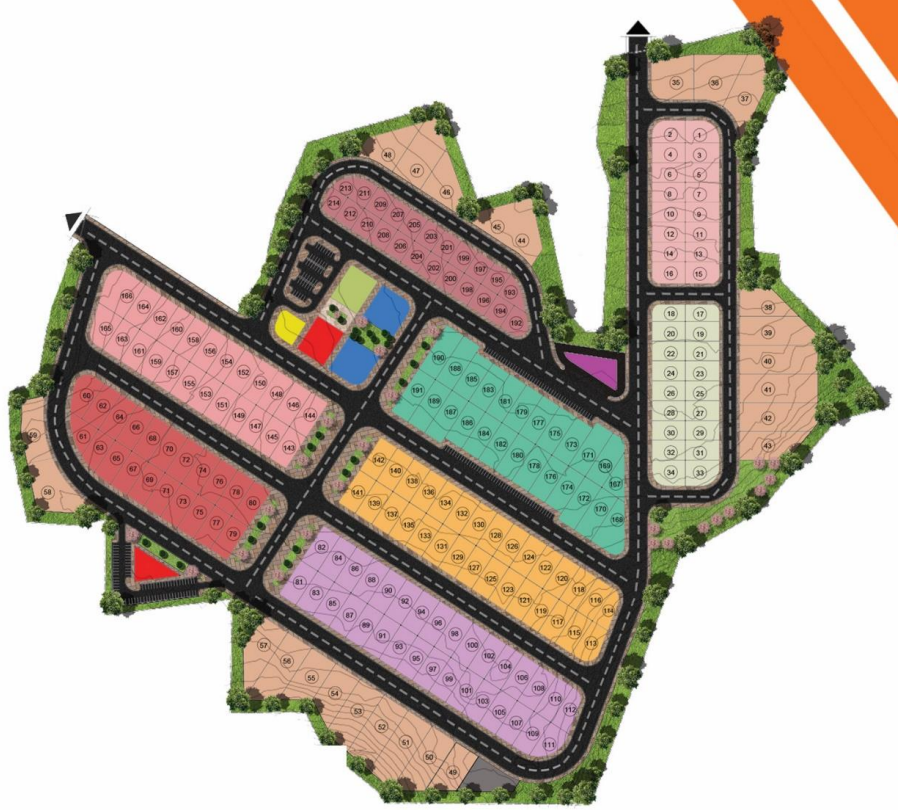
Sample Similar Projects

- Real estate division of the industrial city of Hassia, the industrial city of Hassia, Homs Governorate, Contract No. 1, 2021.
- Real estate division in the village of Ain Ddananir, Ain Ddananir Municipality, Homs Governorate, Contract No. 2, 2020.
- Real estate division of the Industrial zone in Talkalakh, Talkalakh city Council, Homs Governorate, Contract No. 4, 2019.
- Real estate division of the industrial zone in Al Sayyid, Al Sayyid municipality, Homs Governorate, Contract No. 2, 2019.
- Subdivision of real estate properties of Seghata municipality, Seghata Municipality, Hama Governorate, Contract No. 1, 2009.
- Division of real estates in the village of Al-Khandaq Al-Gharbi Municipality, Hama Governorate, Contract No. 1, 2007.



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منهاج الوجانب العمرانية										
الرمز	نوع الصناعة	أرقام المقاسم	عدد المقاسم	نسبة البناء %	الوجانب			عدد الطوابق	الارتفاع الأعظمي	ملاحظات
					الأمامية	الجانبية	الخلفية			
	مواد بناء	16-1	16	30	5	-	3	1	6	
	كيميائية	34-17	18	60	5	-	3	2	10	
	مقاسم للصناعات المتوسطة	59-35	25	40	5	3	3	3	15	
	معدنية	80-60	21	60	5	-	3	2	10	
	غذائية	112-81	32	60	5	-	3	2	10	
	خشبية	142-113	30	60	5	-	3	2	10	
	مختلفة	166-143	24	30	5	-	3	2	10	
	اصلاح سيارات	191-167	25	60	5	-	3	2	18	
	مستودعات	214-192	23	60	4	-	3	2	15	
	مركز تجاري	-	2	50	5	5	5	2	8	
	مركز اطفاء	-	1	50	5	5	5	2	8	
	كازية	-	1	50	5	5	5	2	8	
	مركز ديني	-	1	50	5	5	5	2	8	
	مركز إداري وصحي	-	2	50	6	5	5	3	12	
	محطة معلجة	-	1	تخضع لدراسة تفصيلية						
	حدائق	ينبع إبناء عليها								
	حرم أخضر	ينبع إبناء عليها								



6. Urban Planning and Infrastructure Networks Studies for Industrial and Residential Zones:

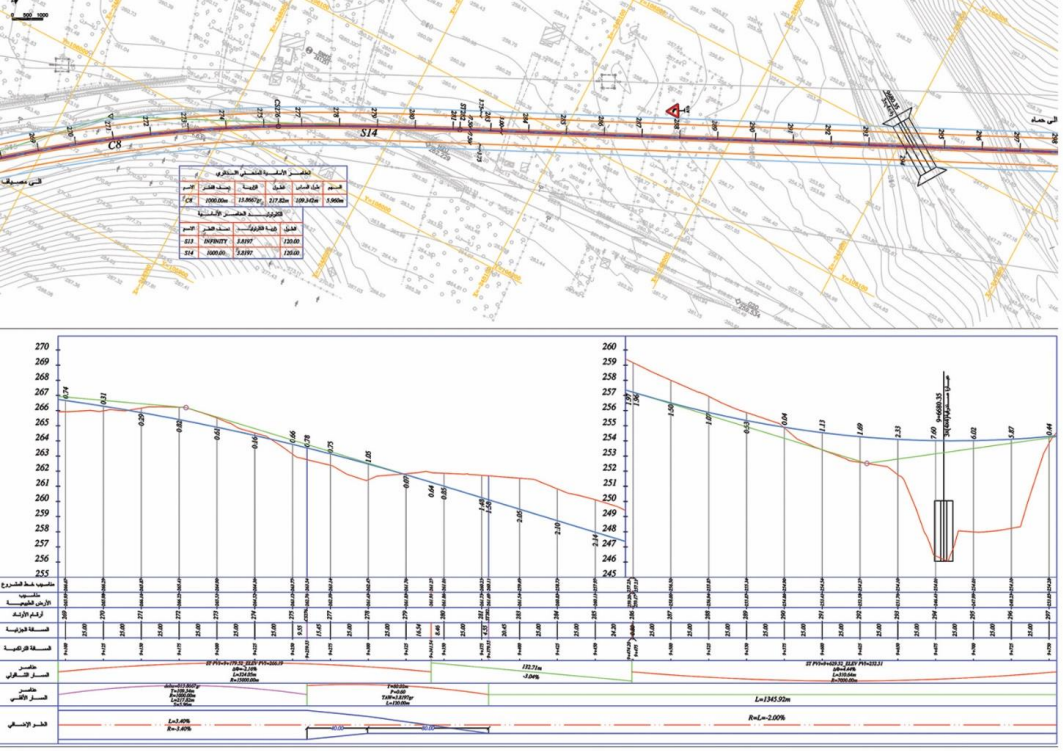
Our team has accomplished and delivered integrated studies, that comprise Topographic Surveying, hydrology, environmental impact, traffic and transportation, Urban Planning, Road and Street Networks, Sewage and Water Supply networks, Electrical & telecommunication networks for the general sites of tens of industrial zones.

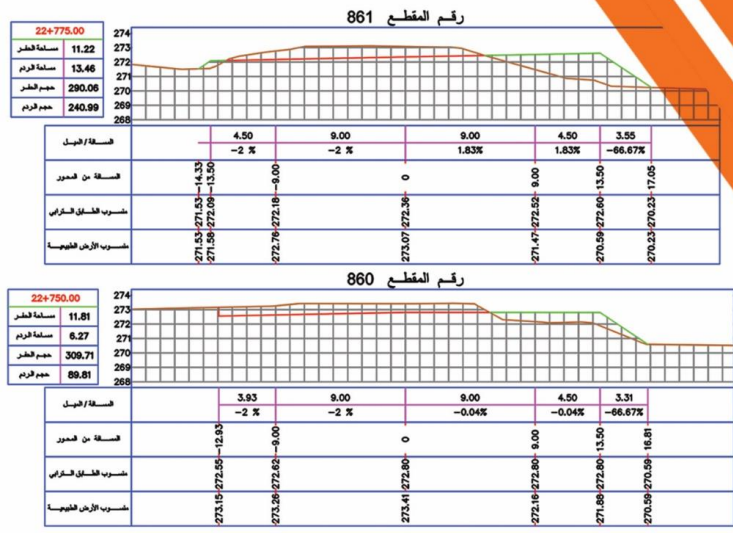
Sample Similar Projects

- Industrial Zone in Maarin Al-Jabal, Maarin Al-Jabal Municipality, Contract No.1 , 2020.
- Industrial Zone in Al-Khalidiyah, Al-Khalidiyah Municipality, Contract No.1 , 2020.
- Industrial Zone in Besireen, Besireen Municipality, Contract No.1 , 2020.
- Industrial Zone in Tal Qartal, Tal Qartal Municipality, Contract No.1 , 2020.
- Expansion of Kazo Residintial District, Hama City Council, Contract No.3 , 2014.
- Industrial Zone in Talkalakh, Talkalakh City Council, Contract No.3 , 2018.
- Expansion of Al Mazra'a neighborhood, Homs City Council, Contract No.41 , 2009.



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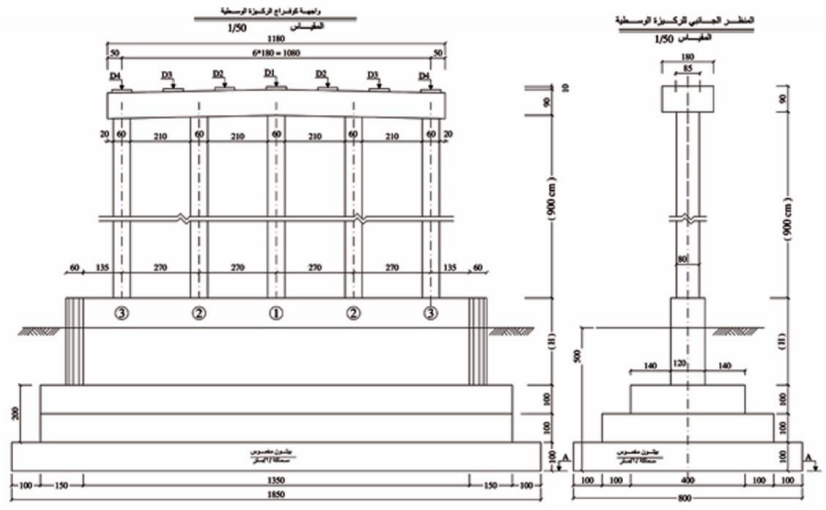


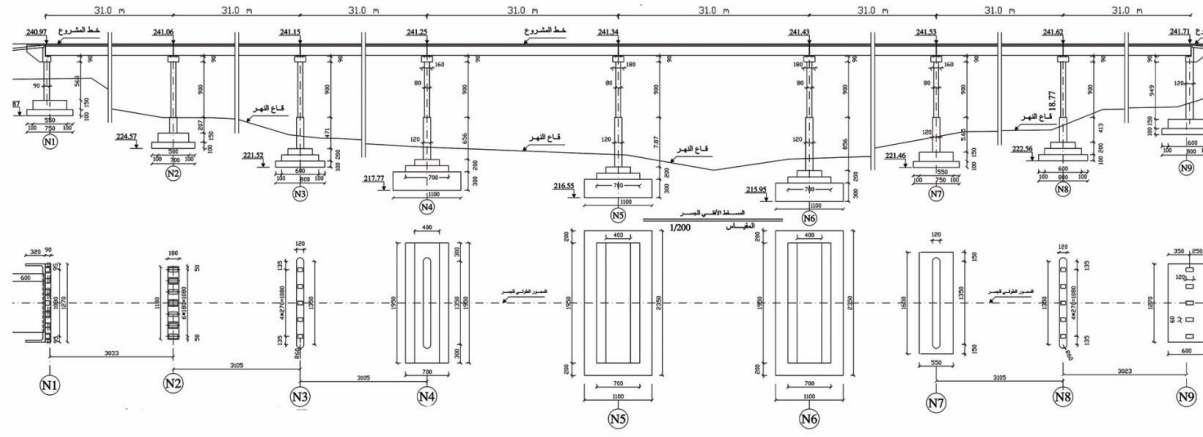
7. Roads, Highways and Bridges Studies:

One of the most featuring consulting services of our group is Roads, Highways and Bridge studies. Our professional profile is rich by tens of road, Bridge, and Highway studies in Hama, Homs, Idlib, and other Governorates of Syria.

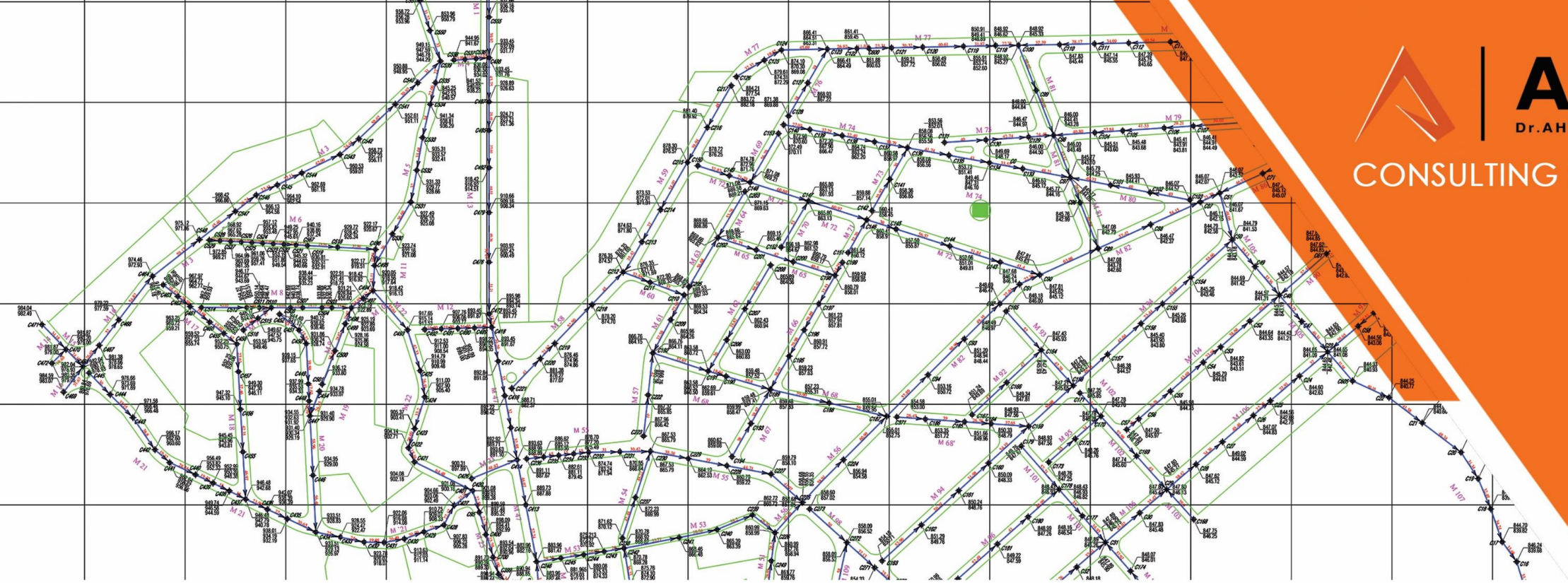
Sample Similar Projects

- Development of Wadi Al-Nadhara Touristic Road studies , Contract No. 6, 2020.
  A road linking Homs - Tartous highway with the industrial zone in Talkalakh, Talkalakh City Council, Contract No. 3 of 2019.
  Auditing the study of service routes for the Western Homs Diversion, Directorate of Technical Services of Homs, Contract No. 15, 2009.
  Hama-Masyaf highway, Public Establishment of Road communication in Syria, Contract No. 111, 2018.
  The intersection of Nahrel Bared-Jurin road with the Coastal region-Al Ghab road, Public Establishment of Road communication in Syria, Contract No. 125, 2018.
  Bypass road around the city of Salqin, Salqin City Council,Contract No. 4, 2008.
  Sarmin road junction on the Idlib-Saraqib Highway, Public Establishment of Road communication in Syria, Contract No. 132, 2005.





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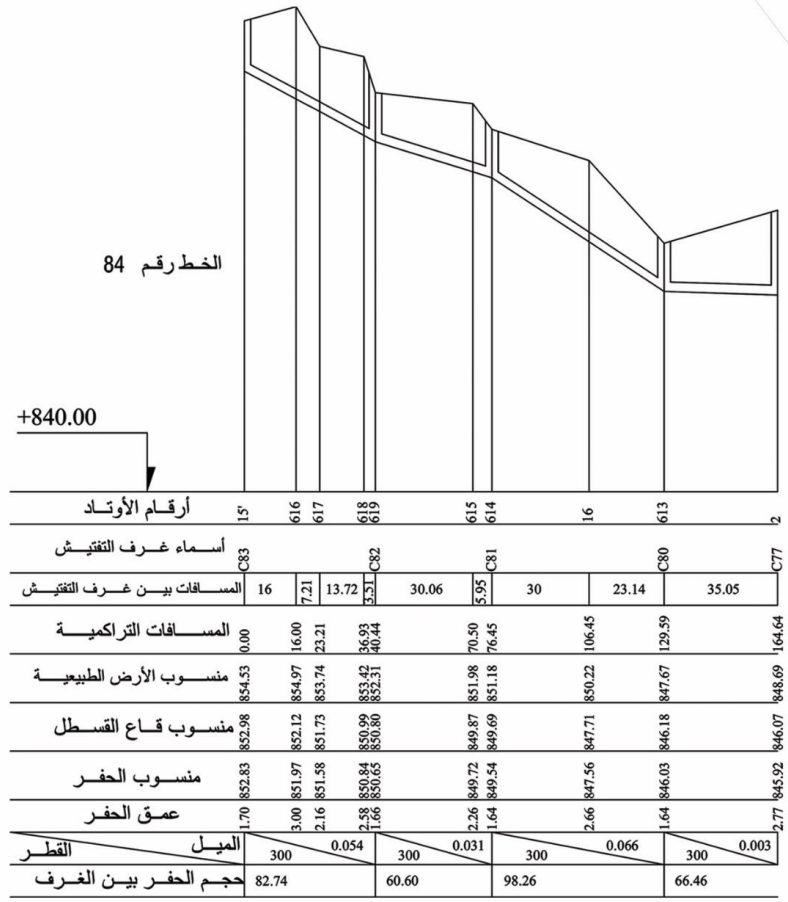


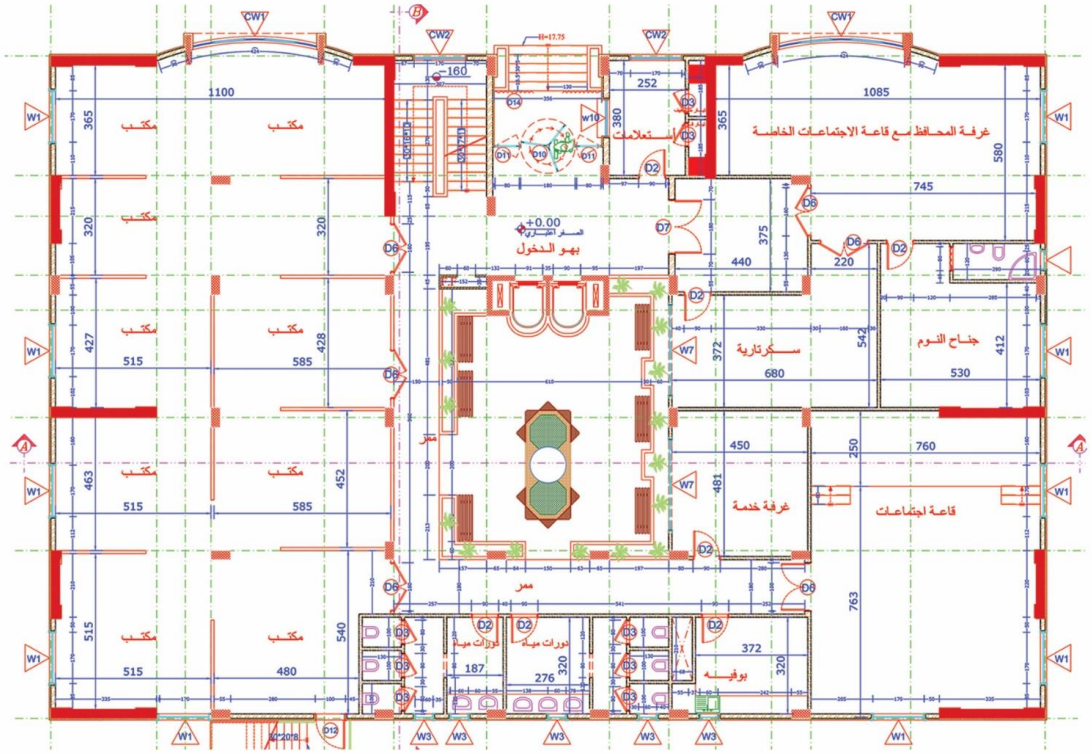
8. Wastewater & Water Supply Network Studies:

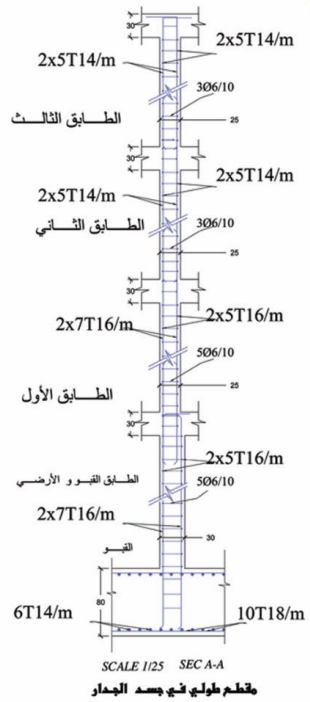
Beside the integrated infrastructure studies of many residential and industrial zones in Syria, our team has fulfilled the needs of many clients to carry out and deliver the studies for separate sewage as well as water supply networks for tens of sites all over Syria.

Sample Similar Projects

- Studying the Sewage Network outfall of the village of Debbin & the Sewage networks with their outfalls in Shin, Alhouz, Mudan, and the village of Alnaaem in Homs, Directorate of Technical Services in Homs, Contract No. 173, 2010.
- Studying the sewage outfalls in Blouza-Haweek-Western and Eastern Summakijjat-Heet to the regional outfall(Al-Fadilijja-Abuhouri-Alnaaem), Homs Directorate of Technical Services, Contract No. 172, 2010.
- Expansion of Al Mazra'a neighborhood, Homs City Council, Contract No, 41 , 2009.
- Sewage network in the villages of Almadba'ah and Maar Shahour, Maar Shahour Village Council, Contract No. 2, 2005.
- Sewage networks for the villages of Aen AlKroum, Qal'at AlJaras, and Al Shahta, Aen AlKroum Municipality, Contract No. 2, 2003.







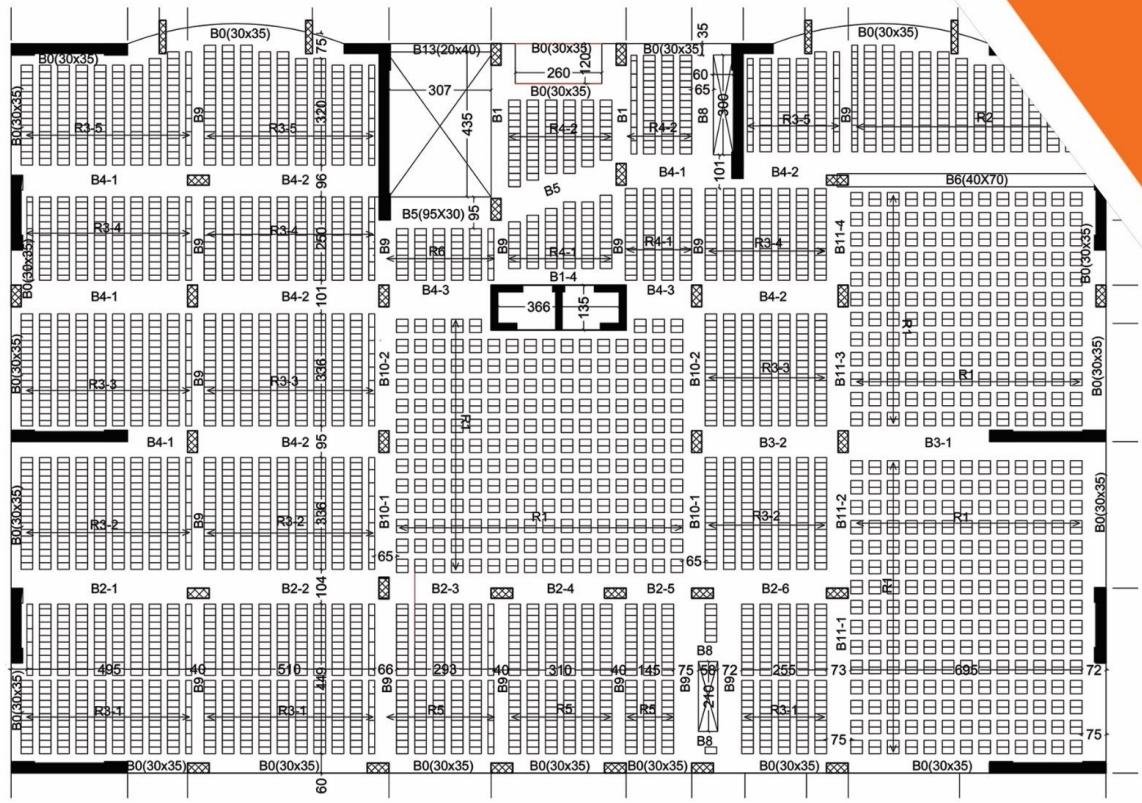
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9. Building Studies:

In addition to the numerous industrial, service, & administrative building, integrally studied by us, our group's team has supervised and checked the executive engineering studies of several residential towers for the Public Establishment of Housing, as well as other administrative and commercial buildings (Beemo Bank), Syria.

Sample Similar Projects

- Service Complex in Kherbet Elshayyab, General Secretariat of Damascus Governorate Contract No. 45 , 2011.
- Housing district , Al Halas Zone, Al Qunaitra Technical Directorate , Contract No.16, 2021. Checking and Auditing the executive studies of four residential towers, Public
- Establishment of Housing in Syria, Contract No. 16321 , 2018.





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Clients:

We enjoy close professional partnership ties with a long list of public and private clients all over the national soil. It includes, but not restricted to :

- Ministry of Public Works and Housing, Syria.
- Ministry of Local Administration and Environment, Syria.
- Public Establishment of Road Communications, Syria.
- General Secretariate of Damascus City, Homs, Hama, Ar Raqqah, Idlib, Al Quneitra Governorates.
- Homs City Council.
- Hama City Council.
- Khan Shaykhun City Council, Salqin city Council, Idlib Governorate.
- City Councils of Muhardah, Masyaf, Tayyibat Al Imam, Tal Salhab, Suran, and many more administrative units' councils in Hama Governorate.
- City Councils of TalKalakh, Talbisah, Ar Rastan, Shin, Al Quaryatayn, and many more administrative units' councils in Homs Governorate.
- Technical Services Directorates of Damascus, Al Quneitra, Homs, Hama, Idlib, Ar Raqqah Governorates.

وزارة الادارة المحلية والبيئة
وزارة النقل MINISTRY OF TRANSPORT
المؤسسة العامة للإسكان
وزارة الأشغال العامة والاسكان
محافظة دمشق DAMASCUS GOVERNORATE
محافظة القنيطرة
محافظة الرقة
الأمانة العامة لمحافظة حماة
محافظة ادلب
محافظة حمص
مجلس مدينة حماه
مجلس مدينة طيبة الإمام
مجلس مدينة صوران
مجلس مدينة حمص Homs City Council