



KOOHEJI

ENGINEERING CONSULTANCY

— Architects — Engineers — Surveyors — M.E.P. —

COMPANY PROFILE **2017**

NABEEL KOOHEJI ENGINEERING CONSULTANCY
VENDOR No. 10048981

WELCOME to Nabeel KOOHEJI Engineering Consultancy

All construction projects- no matter the size or type-require a team who can manage a full range of services in such a way that the team's designers, architect, engineers, and project owners all work together and communicate with one another in a highly efficient and effective manner.

NaKE can provide or enhance a project's needs by providing service areas of project consulting. Project Management, Architectural Planning & Landscaping, Civil, Electrical and Mechanical Engineering.

Today's construction environment has become a highly sophisticated industry-one that requires a diverse range of skills and technologies. When planning building programs, client must possess the necessary experience, time, sophistication, and technical skills to launch a new project, keep it on course, and achieve its desire outcome. At NaKE, we use our talent and tenacity to help our clients keep their project-no matter how challenging or complex-on track and on top in today's marketplace.



A BRIEF HISTORY

In 1986 Nabeel Al Kooheji, A category A Civil Engineer inspired by the growing business of building construction in Bahrain founded the company Kooheji Engineering Consultancy in Manama Bahrain.

Over the years, from one-man business the practice grew steadily panning a gulf region wide recognition with offices in Bahrain, Abu Dhabi, and Saudi Arabia.

The company has been at the masterful of the current Managing Director who holds a dignified Master Degree with over 25 years of Ministry experience in infrastructure and assorted project, associating with countless projects within the Gulf.

With the company grew its pillar- the employees and alliances other key individual and organizations helping a support client in matter involving all divisions of engineering and construction. With a strong belief in demonstrating a "one team" attitude ever since

NaKE strategically guides complex programs through the perilous path of project development to each client vision to reality, while at the same time, ensuring each project remains on budget and on schedule in accordance to the terms of the contract involved. Our ability to manage people, estimate costs, schedule performance, analyze constructability, and foresee complications ensures that our client priorities always come first.



OUR VISION

“We aim to become a global player in the sector, signing under the prestigious project for tomorrow’s world of business, harmonizing innovative and progressive technology with its experience, excellence, and high- caliber work.”



NaKE is a leading company in its sector, experience in construction and highly competitive, requiring high-level of expertise and excellence. The company transfers its know-how and experience to all projects. In this sense. NaKE serves its Client at the highest level of satisfaction, providing the most appropriate and desired solution, with the best quality, without overlooking ethical values the company relies on.



OUR Licenses

Kingdom of Saudi Arabia



OUR Licenses

Kingdom of Bahrain

شهادة تسجيل المؤسسة
Establishment Registration Certificate

Ministry of Industry & Commerce
مملكة البحرين
Kingdom of Bahrain

Regulatory Department: General Directorate of Industry & Commerce
The Director of the General Directorate of Industry & Commerce certifies the details of the below mentioned establishment in accordance with Decree (No.) 19 of 2002 and subsequent amendments.

Establishment Name	Al-Khazim Engineering & Construction Co. P.S.C.	Registration No.	1001000000	Issue Date	01/01/2010
Commercial Name	Al-Khazim Engineering & Construction Co. P.S.C.	Registration No.	1001000000	Issue Date	01/01/2010
Commercial Name in English	Al-Khazim Engineering & Construction Co. P.S.C.	Registration No.	1001000000	Issue Date	01/01/2010
Commercial Name in Arabic	شركة الخازيم الهندسية والبناء	Registration No.	1001000000	Issue Date	01/01/2010
Commercial Address	Plot No. 1001, Industrial Area, Manama, Kingdom of Bahrain	Registration No.	1001000000	Issue Date	01/01/2010
Commercial Address in English	Plot No. 1001, Industrial Area, Manama, Kingdom of Bahrain	Registration No.	1001000000	Issue Date	01/01/2010
Commercial Address in Arabic	القطعة رقم 1001، المنطقة الصناعية، المنامة، مملكة البحرين	Registration No.	1001000000	Issue Date	01/01/2010

Activities:

Architectural Engineering	Yes	Structural Engineering	Yes
Electrical Engineering	Yes	Mechanical Engineering	Yes
Sanitary Engineering	Yes	Industrial Engineering	Yes
Other Engineering	Yes	Other Engineering	Yes

Signature: [Signature]
Date: 01/01/2010

KINGDOM OF BAHRAIN
MINISTRY OF INDUSTRY & COMMERCE

مملكة البحرين
وزارة الصناعة والتجارة

Establishment Registration Certificate

The Directorate of Commercial Registration of Ministry of Industry & Commerce certifies the details of the below mentioned entry in accordance with Decree (No.) 19 of 2002 and subsequent amendments.

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Signature: [Signature]
Date: 01/01/2010

COMMITTEE FOR REGULATING ENGINEERING PROFESSIONAL PRACTICE
لجنة تنظيم مهنة المهندسين

Ministry of Industry & Commerce
مملكة البحرين
Kingdom of Bahrain

License No. 1001000000
Registration No. 1001000000
Issue Date: 01/01/2010

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Date: 01/01/2010

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KINGDOM OF BAHRAIN
SURVEY & LAND REGISTRATION BUREAU
مملكة البحرين
مجالس المساحة والتسجيل العقاري
قارة المسح العقاري

Ref: CS/2009/00005
Date: 23 May 2009

M/S. Khazim Engineering
P.O. Box 26148
Manama
Kingdom of Bahrain

Dear Sir,

Subject: Approval to Execute Cadastral Surveys

I am pleased to inform you that your company Khazim Engineering has been approved by the Cadastral Survey Directorate of the Survey and Land Registration Bureau to carry out Cadastral surveys within the Kingdom of Bahrain.

Please find enclosed a copy of the Provisions and Procedures of the Directorate that relate to Cadastral surveys and the action to be taken to obtain the necessary permits. Please ensure that you comply with these regulations in all Cadastral work.

I look forward to a long and successful working relationship with your company.

Yours sincerely,

[Signature]
Khalid Mubli Al-Ansi
Director
Cadastral Survey Directorate

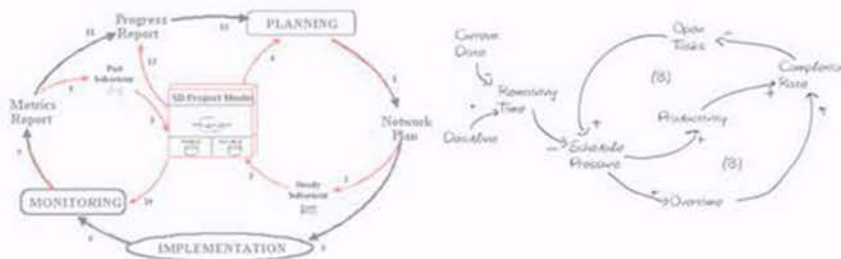
Ministry of Industry & Commerce
مملكة البحرين
Kingdom of Bahrain

PROJECT MANAGEMENT

Areas of Expertise

Kooheji Engineering Consultancy offers a complete range of management services in the following specialty areas:

- **Project Management:** We can manage every aspect of a project, from conducting the initial feasibility study to handing over the finished product to the client
- **Construction Management:** Our team of civil, mechanical, electrical and architectural engineers ensures that the entire construction process will be managed to the highest degree of quality and professionalism
- **Quantity Surveying:** We specialize in helping clients carry out indicative costing assessments, full bills of quantities and valuations
- **Feasibility Studies:** By carefully calculating the indicative costs of our projects and by conducting extensive research to support our findings, we are able to assess each project's feasibility and make recommendations on ways to adapt to the respective markets



Project Management

- IDENTIFICATION OF CLIENT'S REQUIREMENTS
- FEASIBILITY STUDIES
- ENGAGEMENT OF CONSULTANTS
- ADVISING ON PROCUREMENT AND CONTRACT
- SITE QUALITY AND SAFETY INSPECTIONS
- PROJECT TIMELINE AND BUDGET CONTROL

Kooheji Engineering Consultancy approach is based on careful planning, scheduled monitoring, in house coordination and progress meetings and design workshops.

Our project management plans define the measurable attributes of each project: the client's goals, project scope, site constraints and opportunities, preliminary project program, scope of professional services, process for delivery of professional services, project budget and the project schedule.

Our monitoring procedures include weekly project meetings and monthly project performance reviews for active projects. We ensure that our services will result in projects that meet cost, schedule and quality requirements.

Construction Management

- Manage procurement
- Supervise and manage physical construction
- Manage project communications
- Manage project cost controls and accounting
- Evaluate and update CPM Schedule
- Administer subcontractor payment
- Negotiate and expedite change orders
- Conduct jobsite meetings
- Administer jobsite safety program
- Administer jobsite security program
- Administer quality control program
- Perform quality inspections & corrections
- Coordinate owner move-in schedule
- Submit operation manuals and warranties

The depth of management skill possessed by the Kooheji Engineering Consultancy team is perfectly suited to Construction Management. Kooheji Engineering Consultancy provide in depth consultation, recommendations and oversight of the entire construction project, allowing the project owner to devote their time to their normal responsibilities.

The assistance delivered by Kooheji Engineering Consultancy allows the client to be informed of the progress of their project, without being burdened by every facet of the construction process.

Quantity Surveying

The main job of the our Quantity Surveying team is construction cost control and therefore ultimately to save the developer money. Kooheji Engineering Consultancy Quantity Surveying team estimates and monitors construction costs, from the feasibility stage of a project through to the completion of the construction period and beyond if required.

- At the feasibility stage we use our knowledge of construction methods and costs to advise the developer and the most economical way of achieving project requirements.
- We can use techniques referred to as Cost Planning, Estimating, Cost Analysis, Cost-in-use Studies and Value Management to establish and control a project budget.
- We provide a Bill of Materials (BOM) that are measured from design drawings and are essential for tendering or negotiating building costs, for progress payments, for variations and changes to the contract and ultimately for statistics, taxation and valuation.
- During construction our quantity surveyors are called on to fairly value "Progress Payments" at regular intervals.
- They will also value changes to design or quantities which may arise by reference to appropriate Bill of Materials rates. The contractor's quantity surveyor/contract administrator will have prepared claims for progress payments and additional work.
- When construction is complete our quantity surveyors can produce depreciation schedules of the various project components and advise on realistic insurance replacement costs.

Feasibility Study

- MARKET RESEARCH ON RETAIL RETURN
- CONCEPT MASTER PLAN
- CONCEPT DESIGNS
- INDICATIVE COSTS
- PROJECT PLANS
- PROJECT REQUIREMENTS
- PROJECT TEAM

The start point for any new development or refurbishment project ought to be the feasibility study – a review of design, value and timescales.

By thoroughly examining variables such as cost, design, location, risk and practical on-site issues, our comprehensive feasibility study enables informed business decisions, with minimal initial outlay.

Here at Kooheji Engineering Consultancy our Surveyors are fully conversant with the latest building techniques and local building regulations.

Not only do we have an in depth knowledge of property and construction but we also have many years experience within the surveying field and are thus well placed to advise on any aspects of the feasibility of your project. We have produced countless feasibility studies and reports for numerous clients on many different building types, ranging from single house construction to much larger residential and commercial projects.

SERVICES

We are the architect and engineers who have chosen to work together in a professional practice for one simple, yet very important reason – to provide great service to our many valued clients.

To serve our client in both the public and private sectors, we combine the talent of professional, technology and support staff in the field of management, engineering and architecture. We have top caliber team from around the world. Each member of the team has been selected for his or her expertise in the given field. Together the team combined expertise covers a wide range of disciplines throughout the design process from conception to completion.

PROJECT MANAGEMENT ARCHITECTURE

- Planning
- Scheduling
- Controlling
- Budgeting

PRE-DESIGN

- Brief Development
- Case Studies / Industry research
- Collection and classification of Virtual Libraries
- 2D and 3D concept artwork
- Feasibility Studies
- Site Studies and Inspection

DESIGN

- Conceptual Design
- Master planning
- Space Planning

- Interior Design
- Landscaping
- 3D & Graphic design
- Cost estimates
- Government Consulting
- Approval from Authorities for Construction and Occupancy Permit

- Tender Document
- Contract Supervision
- Contract Administration
- Contractual Budgeting
- Value Engineering
- Post Occupancy Evaluations

ARCHITECTURE & CIVIL ENGINEERING

STRUCTURAL ENGINEERING

- Reinforce Concrete Building & Structural Design
- Steel Structural Design
- Analysis Repair of Deteriorated Existing Reinforce Concrete
- Small Earth Dams
- Road Design
- Transportation Engineering and Planning
- Port Design

WATER & WASTE WATER PLANNING

- Environmental Engineering and Sanitation
- Water & Wastewater Technology
- Design of Irrigation System
- Pumping Station
- Operation of Water Works
- Water Processing
- Wastewater Collection System
- Storm Sewer System

URBAN PLANNING & STRUCTURES

- Land Use & Zoning
- Public Utility Services & Facilities

QUANTITY SURVEYING

- State of Probable Construction Cost
- Progress Statement During Construction
- Cost Variation/ Evaluation
- Detailed Construction Cost Estimates
- Construction/ Project Management
- Design Review or Feasibility Studies
- Contract Administration
- Bid Evaluation/ Award of Contract
- Project Development, Scheduling & Budgeting
- Project Coordination
- Documents Checking & Recording
- Construction Inspection & Review
- Substantial Performance Report & Certification
- Full Time Project Representation
- Quality & Safety Administration

LAND SURVEYING

- Raw Land Topographic, Hydrographic Survey & Mapping
- Survey Plans/ Layout of Roads, Bridges & Buildings
- GPS Observation & Subdivision Plans
- Piling Supervision
- Strata Surveys
- GIS Data Collection
- Control Points Establishments
- Precise Leveling

ELECTRICAL AND MECHANICAL ENGINEERING

ELECTRICAL

- Medium & Low Voltage Design
- Electrical Low Current System Application
- Fire Alarm System
- Close Circuit Television (CCTV) System
- Master Antenna Television (MATV) System
- Audio Visual
- Public Address
- Building Management System (BMS)
- Door Access System
- Local Area Network (LAN) Infrastructure
- Cabling
- Testing & Commissioning
- Handing Over

MECHANICAL & PLUMBING

- Plumbing
- Drainage & Sewer System (External Works)
- Waste & Sewage Treatment Plant
- Water Treatment Plant
- Heat Ventilation & Air Conditioning (HVAC)
- Fire Protection
- Gas Line Installation Supply
- Air Pollution Control & Solution
- Air Compression System
- Tools & Jigs
- Pumping Station
- Testing & Commissioning
- Handing Over



COMMERCIAL/RESIDENTIAL

FEATURED PROJECTS



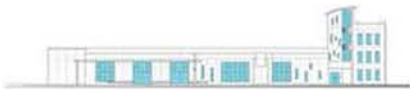
COMMERCIAL

ISA TOWN COMMERCIAL COMPLEX

SCOPE OF WORK: DESIGN & SUPERVISION



RESTAURANT ELEVATION



PHARMACY ELEVATION 1



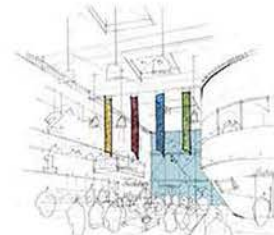
PHARMACY ELEVATION 2



PHARMACY ELEVATION 3



CONCEPTUAL VIEW @ RESTAURANT



CONCEPTUAL VIEW @ SUPERMARKET



SITE DEVELOPMENT PLAN



ARTIST IMPRESSION OF RESTAURANT



ARTIST IMPRESSION OF OPEN - AIR DINING



ARTIST IMPRESSION OF SUPERMARKET

THIS SITE



COMMERCIAL

ISA TOWN COMMERCIAL COMPLEX

SCOPE OF WORK: DESIGN & SUPERVISION

ACTUAL PHOTOS AFTER
PROJECT COMPLETION



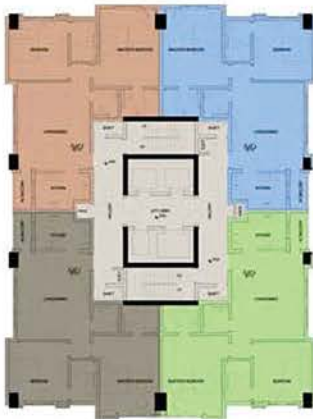
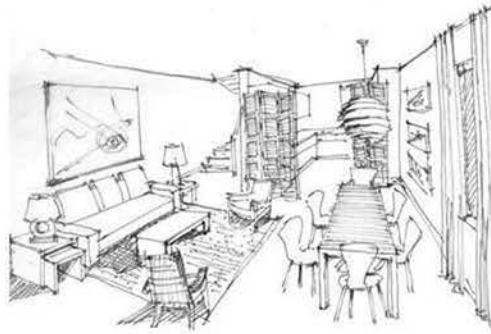
COMMERCIAL/RESIDENTIAL

27 STOREY BUILDING JUFFAIR

SCOPE OF WORK : DESIGN & SUPERVISION



INTERIOR CONCEPTS



FLOOR PLAN CONCEPT



ELEVATION CONCEPTS



EXTERIOR CONCEPT

THIS SITE



COMMERCIAL/RESIDENTIAL

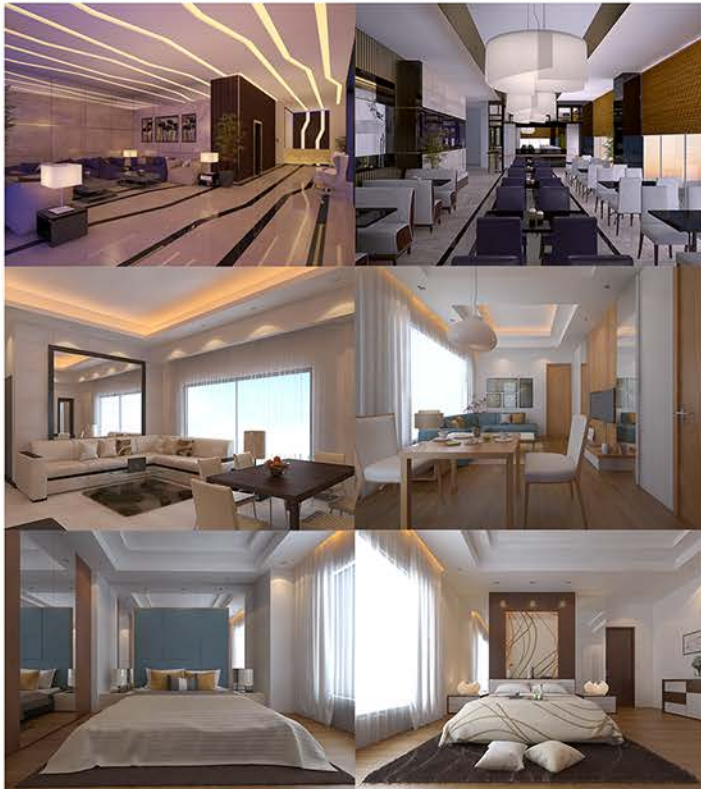
27 STOREY BUILDING JUFFAIR



ARTIST IMPRESSION OF EXTERIOR



ACTUAL PHOTO (FINISHING STAGE)



ARTIST IMPRESSION OF INTERIORS



ACTUAL PHOTO DURING CONSTRUCTION

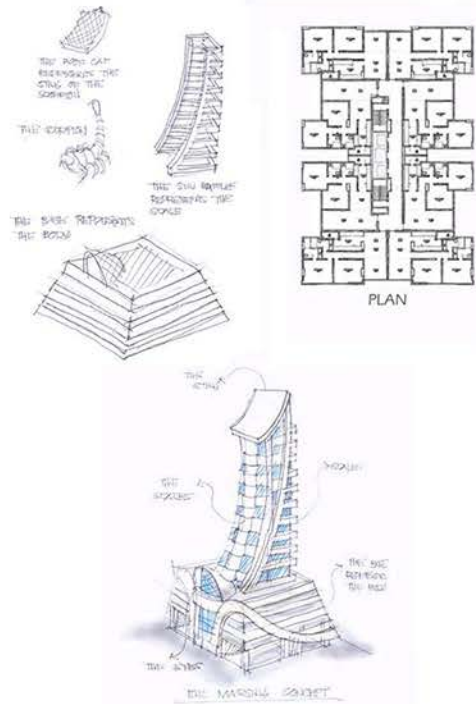


COMMERCIAL/RESIDENTIAL

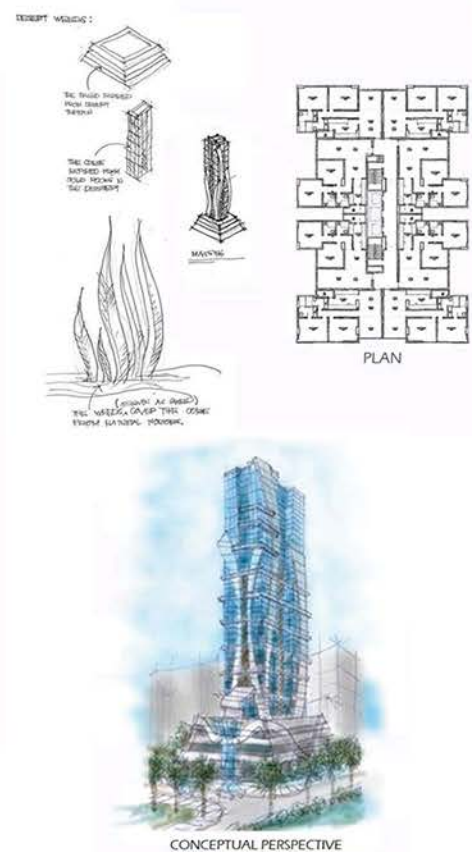
22 STOREY BUILDING
JUFFAIR



SCHEME 1



SCHEME 2



COMMERCIAL/RESIDENTIAL

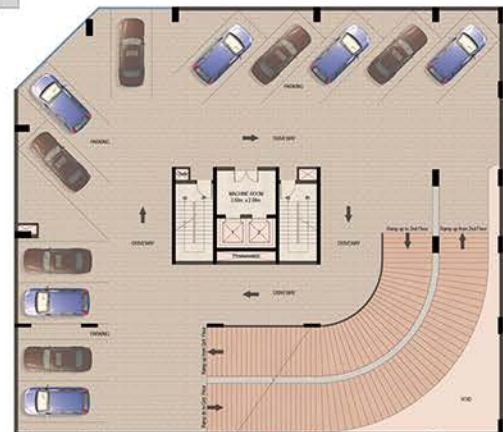
26 STOREY BUILDING JUFFAIR



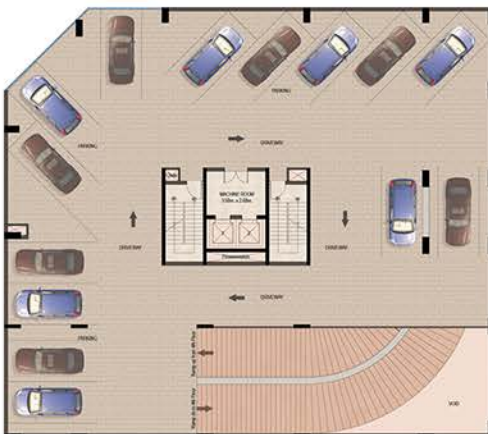
PERSPECTIVE



GROUND FLOOR PLAN



TYP. 1ST - 6TH FLOOR PLAN



7TH FLOOR PLAN



25TH FLOOR PLAN



TYP. 8TH - 24TH FLOOR PLAN



26TH FLOOR PLAN

COMMERCIAL/RESIDENTIAL

48 STOREY BUILDING JUFFAIR



9TH FLOOR PLAN



TYP. 10TH, 12TH & 24TH FLOOR PLAN



TYP. 11TH, 13TH & 45TH FLOOR PLAN



46TH FLOOR PLAN



47TH FLOOR PLAN



GROUND FLOOR PLAN



7TH FLOOR PLAN



TYP. 1ST - 4TH FLOOR PLAN



8TH FLOOR PLAN



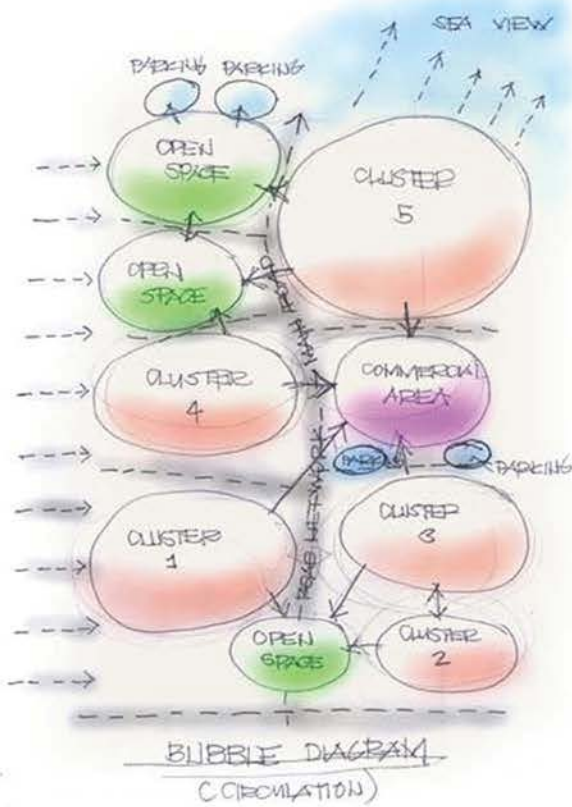
HOUSING

FEATURED PROJECTS



HOUSING PROJECTS

AL DUR HOUSING



CONCEPT DESIGN OF COMM'L BLDG.



CONCEPT DESIGN OF APARTMENT BLDG.



CONCEPT DESIGN OF VILLA



CONCEPT DESIGN OF PLAZA

HOUSING PROJECTS

ALDUR HOUSING PROJECT
ALDUR



THIS SITE



SITE DEVELOPMENT PLAN



HOUSING PROJECTS

ALDUR HOUSING PROJECT
ALDUR



ARTIST IMPRESSION OF AERIAL VIEW



ARTIST IMPRESSION OF MOSQUE VIEW



ARTIST IMPRESSION OF GARDEN VIEW



HOUSING PROJECTS

AL DUR HOUSING

ACTUAL PHOTOS OF THE ON - GOING SITE DEVELOPMENT



INFRASTRUCTURE DEVELOPMENT PLANS

ALDUR HOUSING PROJECT

ACTUAL PHOTOS OF THE ON - GOING CONSTRUCTION



INFRASTRUCTURE DEVELOPMENT PLANS

ALDUR HOUSING PROJECT

ACTUAL PHOTOS OF THE ON - GOING CONSTRUCTION



INFRASTRUCTURE DEVELOPMENT PLANS

ALDUR HOUSING PROJECT

ACTUAL PHOTOS OF THE ON - GOING CONSTRUCTION



HOUSING PROJECTS

AL DUR HOUSING

ACTUAL PHOTOS OF ON-GOING CONSTRUCTION



HOUSING PROJECTS

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HOUSING PROJECTS

AL DUR HOUSING

ACTUAL PHOTOS OF ON-GOING CONSTRUCTION



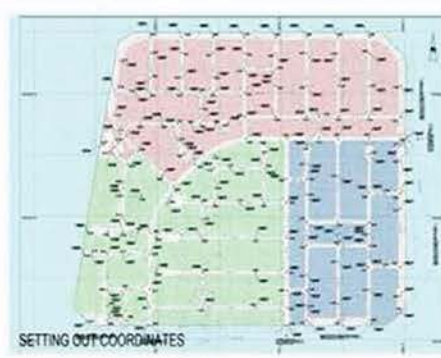
INFRASTRUCTURE DEVELOPMENT PLANS

AL DUR 3 HOUSING PROJECT (ONGOING)

NUMBER OF HOUSING : 553



SURVEYING



SURVEYING



ROAD LEVELS



SLAB LEVELS



GRADING LEVELS



SEWER PLAN



WATER SUPPLY



ELECTRICAL LAYOUT



STREET LIGHTING



INFRASTRUCTURE DEVELOPMENT PLANS

ALDUR 4 HOUSING PROJECT (ON - GOING)
NUMBER OF HOUSES = 328



SURVEYING



SURVEYING



SURVEYING



ROAD LEVELS



SLAB LEVELS



GRADING LEVELS



WATER SUPPLY

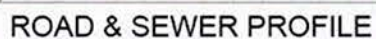


ELECTRICAL SUPPLY



STREET LIGHTING

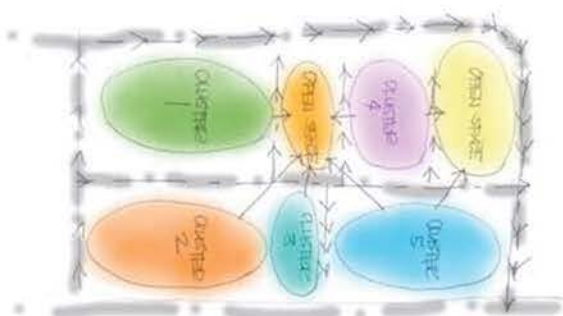
HOUSING PROJECT AT AL DUR



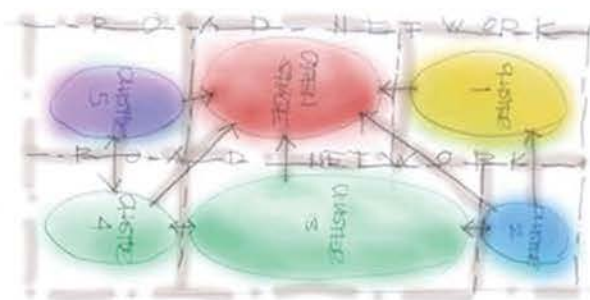
ROAD PLAN

HOUSING PROJECTS

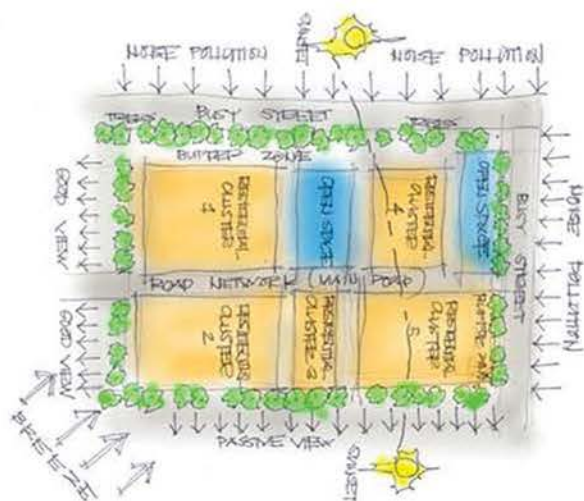
RIYADH ASKAR HOUSING



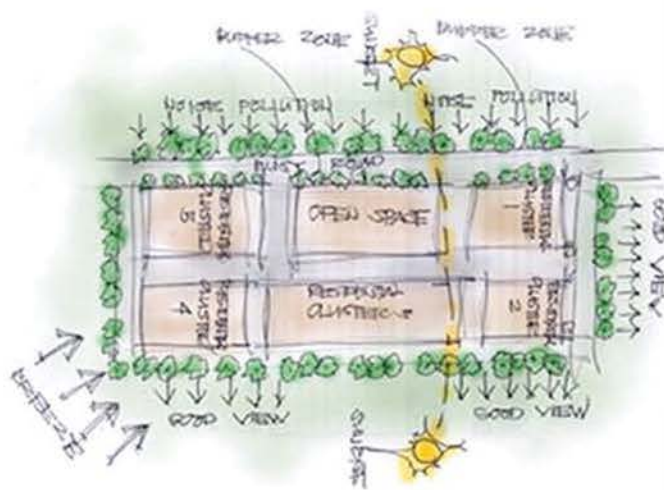
SCHEMATIC DIAGRAM
(SITE 1)



SCHEMATIC DIAGRAM
(SITE 2)



SITE ANALYSIS & DESIGN CONSIDERATIONS
(SITE 1)



SITE ANALYSIS & DESIGN CONSIDERATIONS
(SITE 2)



CONCEPTUAL DESIGN OF VILLA TYPE 1



CONCEPTUAL DESIGN OF VILLA TYPE 2



SITE DEVELOPMENT PLAN



HOUSING PROJECTS

RIYADH ASKER HOUSING



AERIAL VIEW SITE 1



AERIAL VIEW SITE 2



INFRASTRUCTURE DEVELOPMENT PLANS

ASKER HOUSING PROJECT

ACTUAL PHOTOS OF THE ON - GOING CONSTRUCTION



INFRASTRUCTURE DEVELOPMENT PLANS

ASKER HOUSING PROJECT

ACTUAL PHOTOS OF THE ON - GOING CONSTRUCTION



INFRASTRUCTURE DEVELOPMENT PLANS

ASKER HOUSING PROJECT

ACTUAL PHOTOS OF THE ON - GOING CONSTRUCTION



INFRASTRUCTURE DEVELOPMENT PLANS

ASKER HOUSING PROJECT

ACTUAL PHOTOS OF THE ON - GOING CONSTRUCTION



INFRASTRUCTURE DEVELOPMENT PLANS

RIYADH ASKAR SITE 1 HOUSING PROJECT NUMBER OF HOUSING : 328



SURVEYING



SURVEYING



SURVEYING



ELECTRICAL LAYOUT



SLAB LEVELS



GRADING LEVELS



WATER SUPPLY



STREET LIGHTING



SEWER LINE



INFRASTRUCTURE DEVELOPMENT PLANS

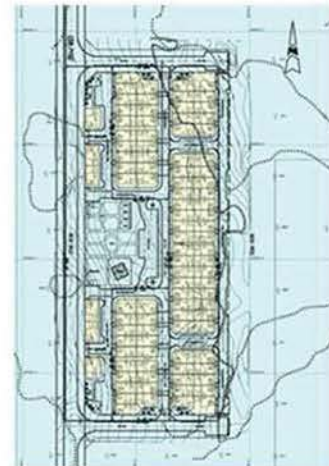
RIYADH ASKAR SITE 2 HOUSING PROJECT NUMBER OF HOUSING : 92



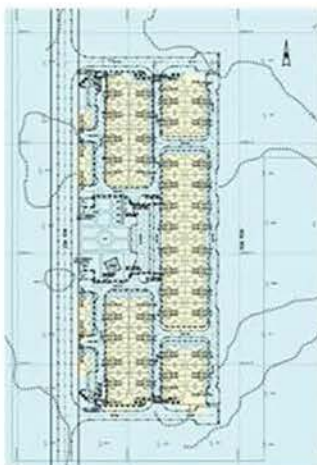
SURVEYING



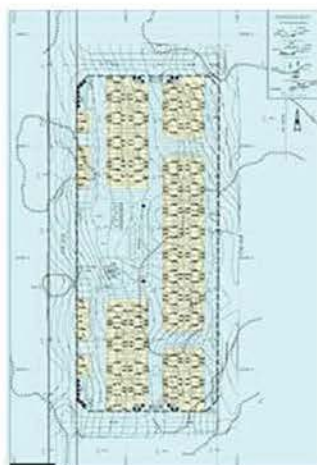
SURVEYING



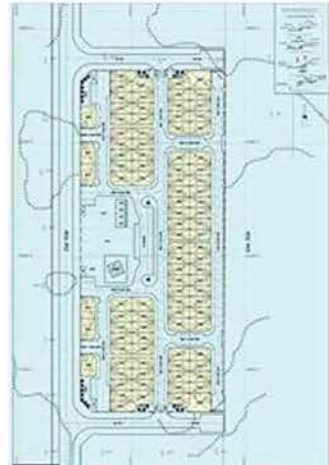
SURVEYING



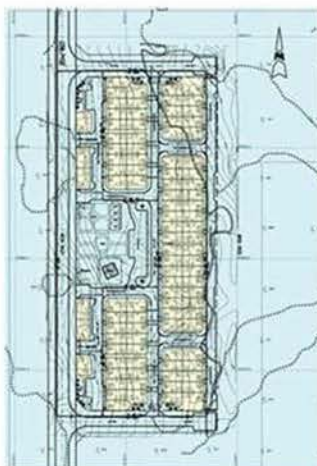
ELECTRICAL LAYOUT



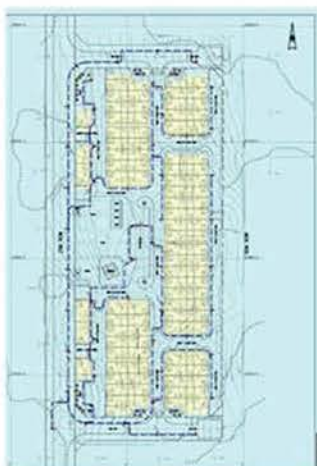
SLAB LEVELS



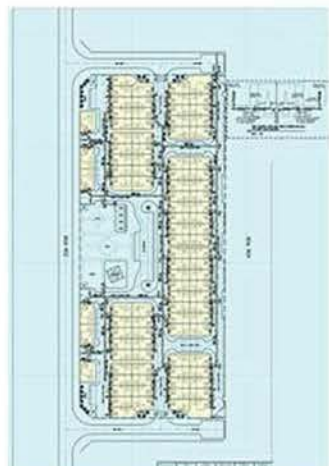
GRADING LEVELS



WATER SUPPLY



STREET LIGHTING

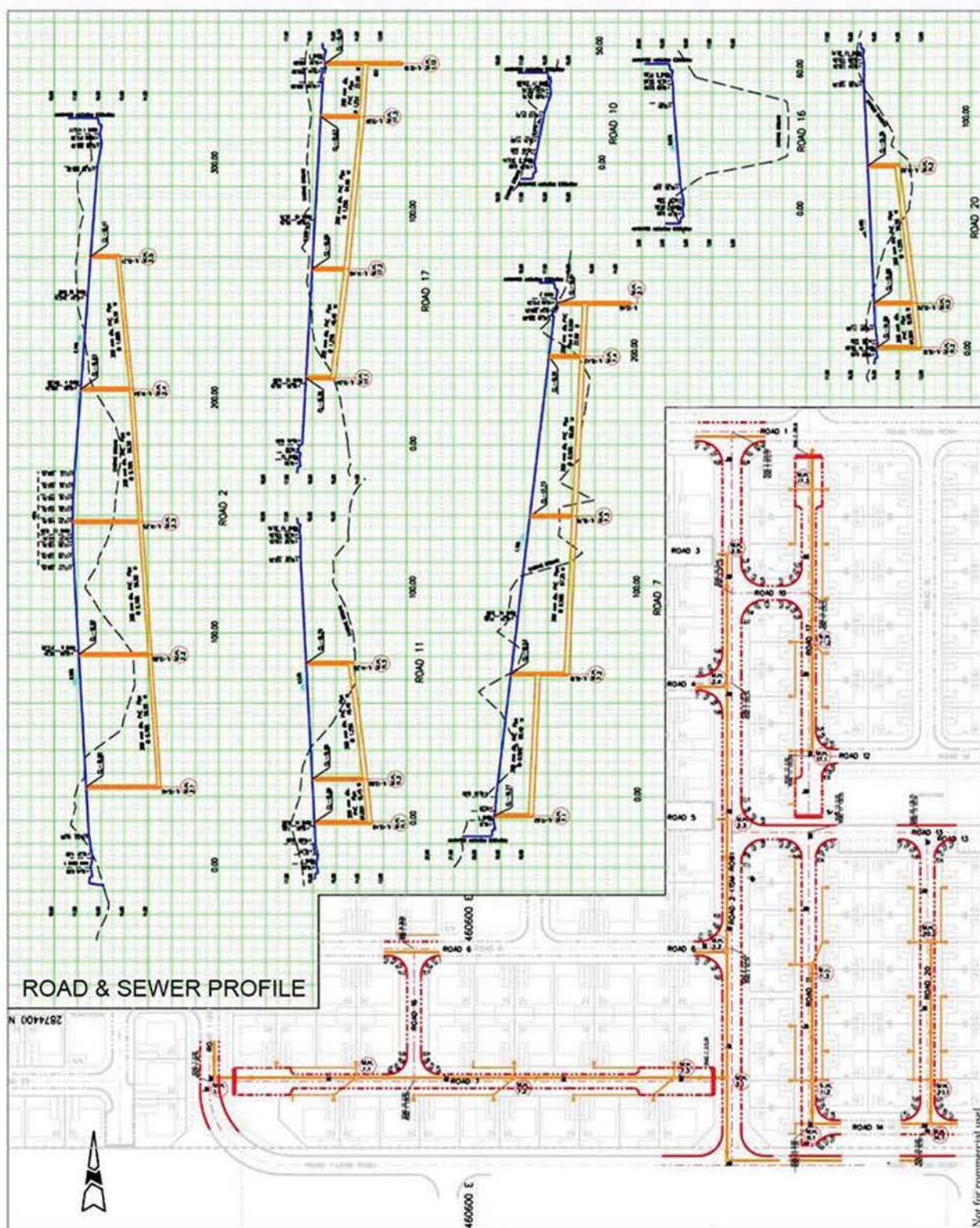


SEWER LINE



INFRASTRUCTURE DEVELOPMENT PLANS

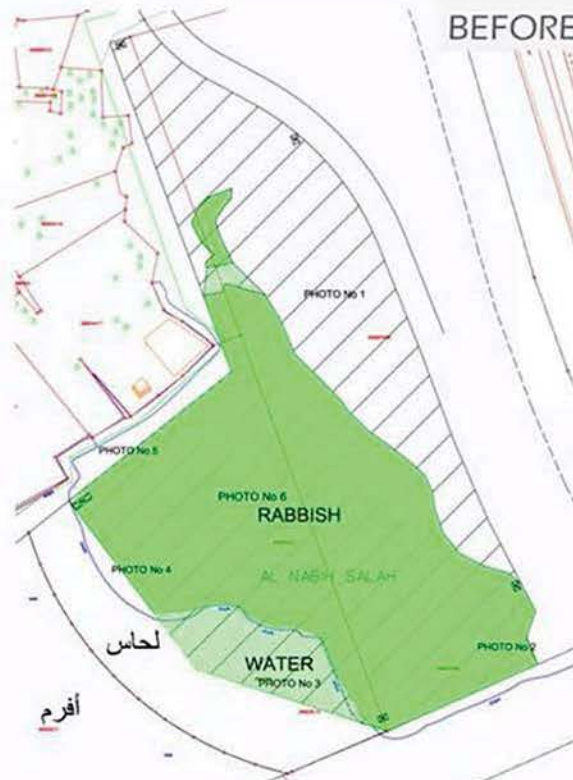
HOUSING PROJECT AT RIYADH ASKAR



ROAD PLAN

HOUSING PROJECTS

NABISALEH -225 HOUSES



CONSTRUCTION ONGOING (SITE PROGRESS AS ON MAY 2014)



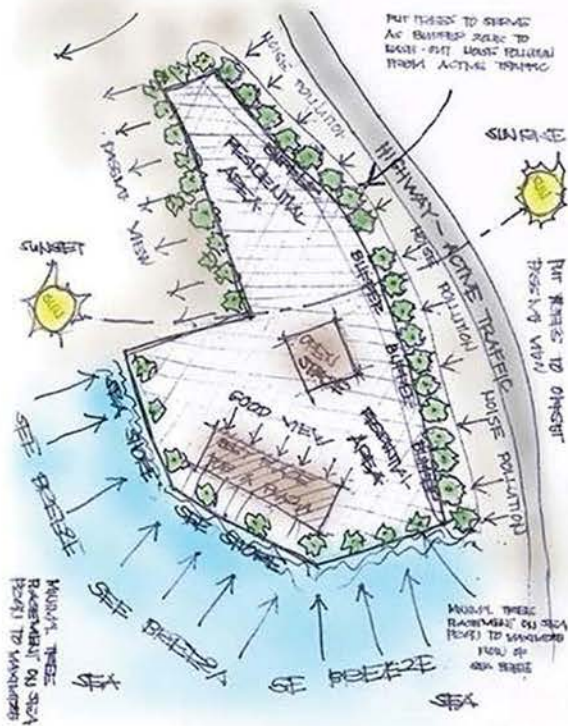
FINAL LAYOUT



HOUSING PROJECTS

225 HOUSES NABIH SALEH PROJECT

DESIGN CONSIDERATION



PROPOSED VILLA TYPE 1



PROPOSED VILLA TYPE 2



THE MOSQUE



INFRASTRUCTURE DEVELOPMENT PLANS

NABIH SALEH HOUSING PROJECT

ACTUAL PHOTOS OF THE ON - GOING CONSTRUCTION



INFRASTRUCTURE DEVELOPMENT PLANS

NABIH SALEH
HOUSINGPROJECT

ACTUAL PHOTOS OF THE ON - GOING CONSTRUCTION



INFRASTRUCTURE DEVELOPMENT PLANS

NABIH SALEH
HOUSINGPROJECT

ACTUAL PHOTOS OF THE ON - GOING CONSTRUCTION



INFRASTRUCTURE DEVELOPMENT PLANS

NABIH SALEH
HOUSINGPROJECT

ACTUAL PHOTOS OF THE ON - GOING CONSTRUCTION



INFRASTRUCTURE DEVELOPMENT PLANS

NABIH SALEH
HOUSINGPROJECT

ACTUAL PHOTOS OF THE ON - GOING CONSTRUCTION



INFRASTRUCTURE DEVELOPMENT PLANS

NABI SALIH HOUSING PROJECT (ONGOING)
NUMBER OF HOUSING : 225



SURVEYING



SURVEYING



GROUND LEVEL



ELECTRICAL LAYOUT



SLAB LEVELS



ROAD LEVELS



WATER SUPPLY



STREET LIGHTING

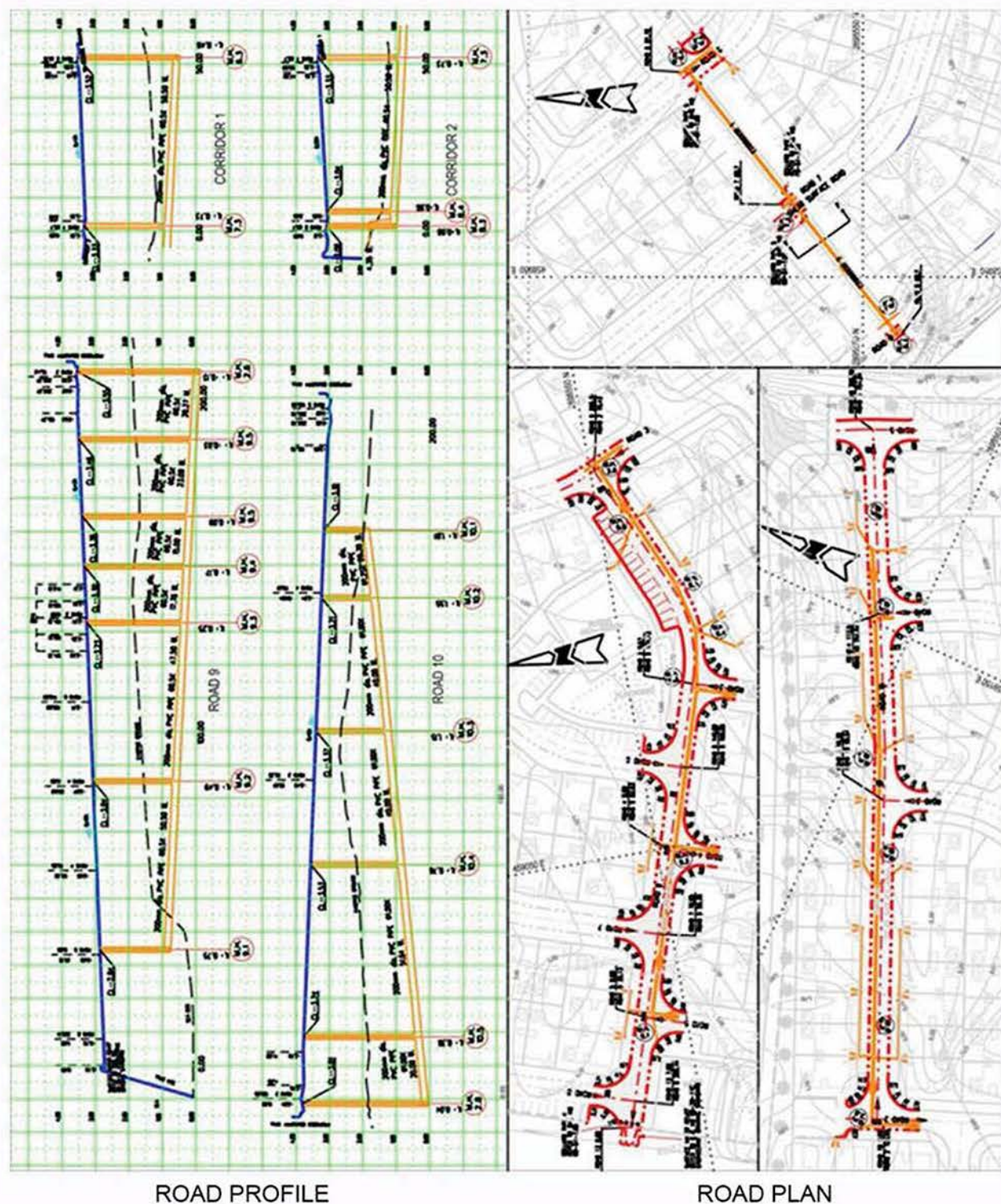


SEWER LINE



INFRASTRUCTURE DEVELOPMENT PLANS

HOUSING PROJECT NABIH SALEH



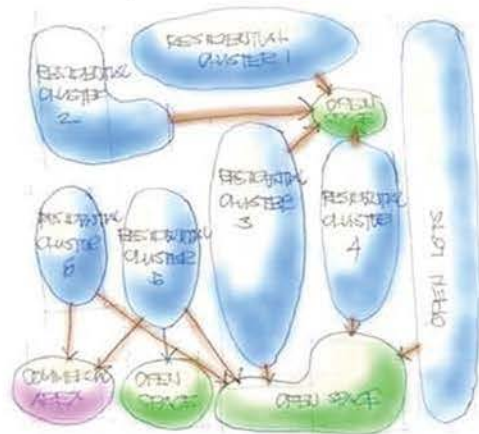
ROAD PROFILE

ROAD PLAN

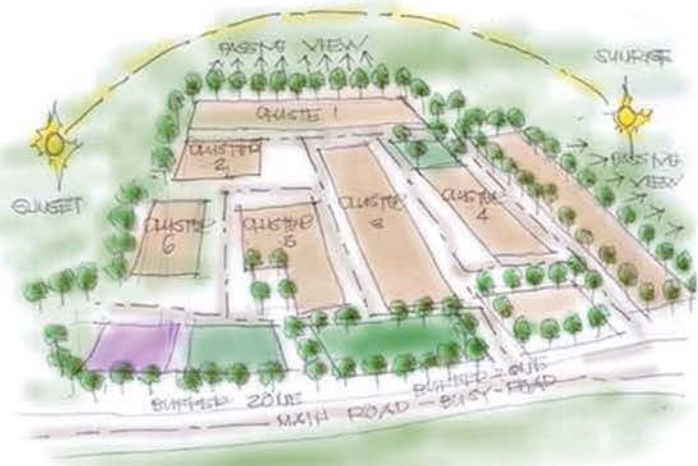


HOUSING PROJECTS

JANUSSAN HOUSING



SCHEMATIC DIAGRAM



SITE ANALYSIS/DESIGN CONSIDERATION



PLAZA CONCEPTUAL DESIGN



VILLA CONCEPTUAL DESIGN



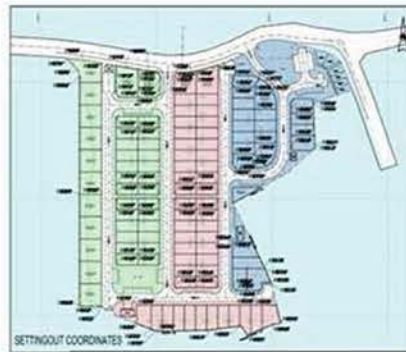
INFRASTRUCTURE DEVELOPMENT PLANS

JANUSSAN HOUSING PROJECT (ONGOING)

NUMBER OF HOUSING : 92



SURVEYING



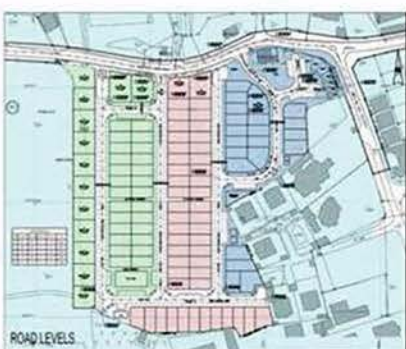
SURVEYING



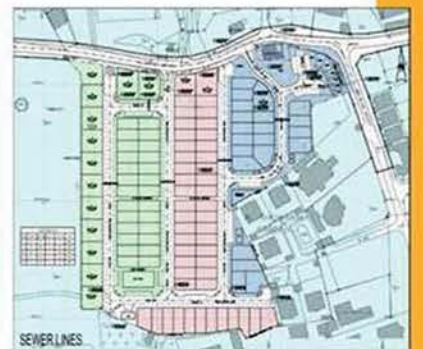
GRADING LEVEL



SLAB LEVEL



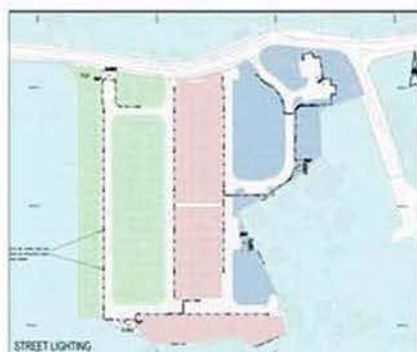
ROAD LEVEL



SEWER LINES



ELECTRICAL SUPPLY



STREET LIGHTING



WATER SUPPLY



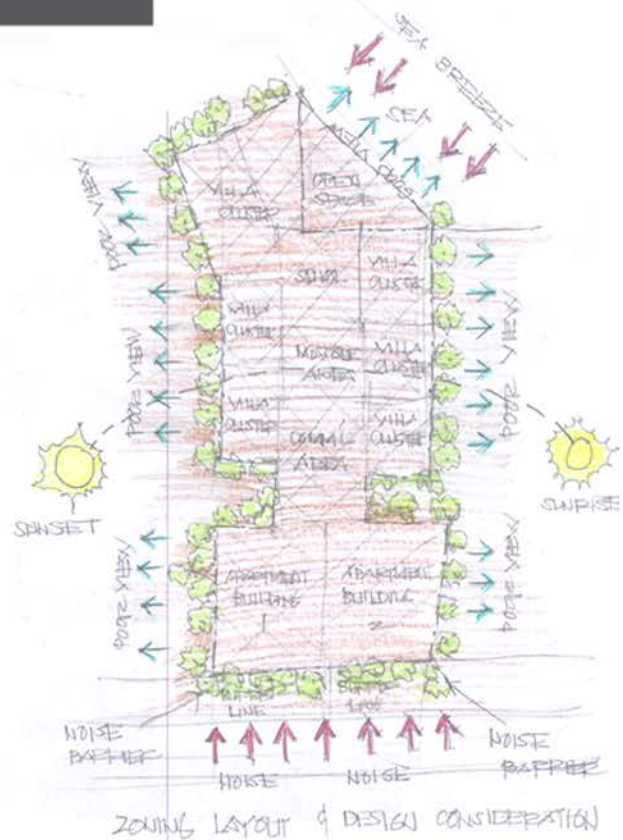


HOUSING PROJECTS

TUBLI HOUSING PROJECT



BUBBLE DIAGRAM



ZONING LAYOUT & DESIGN CONSIDERATION



VILLA CONCEPTUAL SKETCH



APARTMENT BUILDING CONCEPTUAL SKETCH



COMMERCIAL BUILDING CONCEPTUAL SKETCH

HOUSING PROJECTS

TUBLI HOUSING PROJECT



THIS SITE



SITE DEVELOPMENT PLAN

HOUSING PROJECTS

TUBLI HOUSING PROJECT



HOUSING PROJECTS

PROPOSED 33 HOUSES
@ SOUTH SELAH

Location Plan



This Site

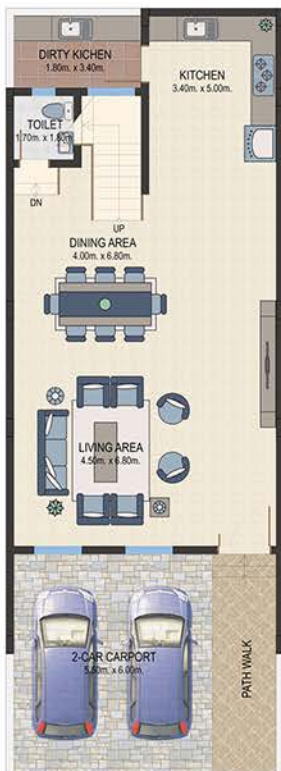


Site Development Plan

HOUSING PROJECTS

PROPOSED 33 HOUSES @ SOUTH SELAH

LEVEL	BUILT-UP AREA m ²	SERVICES m ²	TOTAL CONSTRUCTION AREA m ²
Ground Floor	78.20	45.60	
First Floor	88.40		
Second Floor	88.40		
Lower Roof		21.78	
Upper Roof		21.78	
Total	255.00	89.16	344.16



Ground Floor Plan



Second Floor Plan



Aerial View



Normal View 1



First Floor Plan



Roof Plan



Normal View 2

INFRASTRUCTURE DEVELOPMENT PLANS

SOUTH SELAH HOUSING PROJECT (ONGOING)

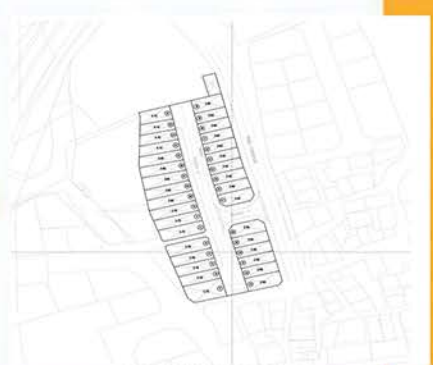
NUMBER OF HOUSING : 92



SURVEYING



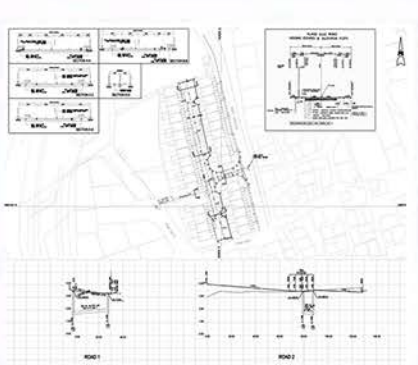
SURVEYING



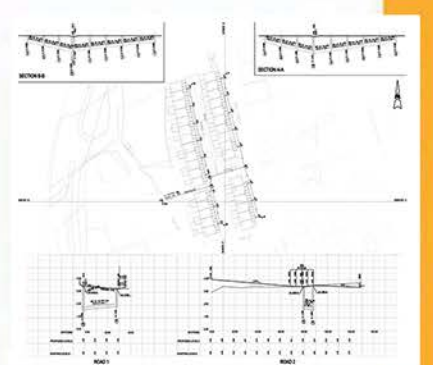
GRADING LEVEL



SLAB LEVEL



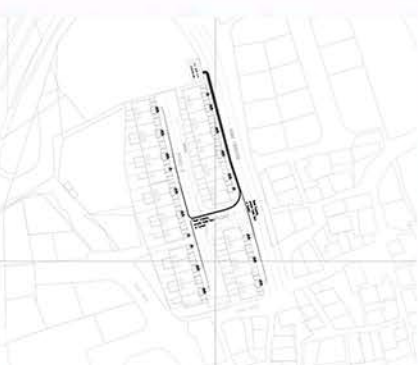
ROAD LEVEL



SEWER LINES



ELECTRICAL SUPPLY



STREET LIGHTING

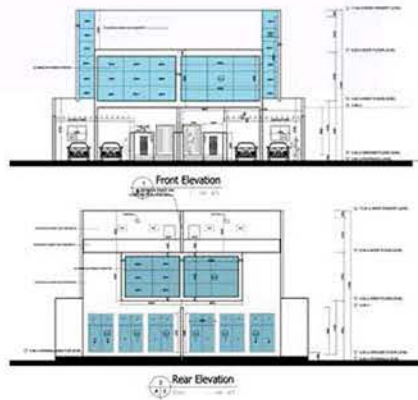


WATER SUPPLY

HOUSING PROJECTS

MAHOOZ 33 VILLAS MAHOOZ

SCOPE OF WORK: DESIGN & SUPERVISION



THIS SITE

SITE DEVELOPMENT PLAN



HOUSING PROJECTS

MAHOOZ 33 VILLAS MAHOOZ



ARTIST IMPRESSION OF EXTERIOR VIEW 1



ARTIST IMPRESSION OF EXTERIOR VIEW 2



ACTUAL PHOTO OF EXTERIOR VIEW 1



ACTUAL PHOTO OF INTERIOR VIEW 1



ACTUAL PHOTO OF EXTERIOR VIEW 2



ACTUAL PHOTO OF INTERIOR VIEW 2



INSTITUTIONAL

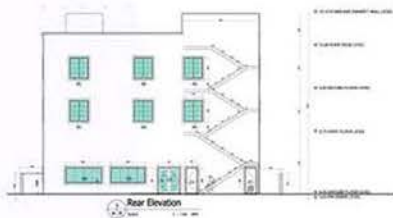
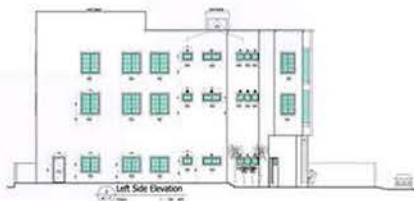
FEATURED PROJECTS



INSTITUTIONAL

SANABEL ORPHAN CARE

SCOPE OF WORK: DESIGN & SUPERVISION



THIS SITE



INSTITUTIONAL

SANABEL ORPHAN CARE

SCOPE OF WORK: DESIGN & SUPERVISION

ACTUAL PHOTOS AFTER
PROJECT COMPLETION



INDUSTRIAL

FEATURED PROJECTS



INDUSTRIAL PROJECTS

The subject of port engineering is very broad. In fact, this is a blend that encompasses the array of engineering disciplines—civil, structural, geotechnical, hydraulic, naval architecture, and others—not to mention the socioeconomic and environmental aspects, knowledge of which is required to produce a sound design of a modern port or marine terminal.

In previous work published in the past 10 to 15 years, I have attempted to address in depth some important subjects related to design and construction of port-related structures and facilities. However, many port-related issues, such as dredging, maintenance, environmental problems, security, and many others, still need to be addressed and presented in a reader-friendly format. This volume has been written by a group of experts in their respective fields of expertise to fill a niche in the existing literature on port and harbor engineering and to provide port designers and operators, particularly those concerned with the design of a port- and harbor-related marine structures, with state-of-the-art information and commonsense guidelines to port planning, design, construction, and maintenance of port facilities.

Contributors to this book have been motivated by the desire not only to share their experiences with their colleagues in the profession, but also to provide those intended to join the field of port engineering with essential knowledge of the subjects related to successful a reference for practicing engineers but is also aimed at engineering students and others seeking to enter the field of port engineering.

This volume represents the effort of 13 experts from around the world, to whom I extend the deepest gratitude for their contributions. It was a pleasure to work with this group of distinguished experts, who committed resources and hundreds of hours of their time to this project.

Deepest gratitude is extended to many individuals and organizations whose opinions and published works have been used and cited

port design, construction, and operation. This is important, because unfortunately, all too frequently, good and less costly engineering solutions are not used, due to a lack of familiarity on the part of the designer. On the other hand, use of a textbook solution to solve the problem may also be counterproductive. Every project is site specific, thus no engineer should be content merely to follow another's designs but should study such designs and use them as a starting point for developing his or her own ideas that are best suitable for the particular site conditions.

It must be understood that engineering in general and port engineering in particular is the profession in which knowledge of the mathematics, economics, and physical sciences gained from previous experiences must be applied to the particular project with thorough understanding that in a great many practical cases the problem cannot be solved with mathematical precision; the use of mathematical formulation of a particular problem must be practical and compatible with the data available. The design procedures and guidelines contained in the book are intended to point out the complexity of the particular problem and to illustrate factors that should be considered and included in an appropriate design scenario. They should not be used indiscriminately, particularly not for the detailed design, and should always be combined with good engineering judgment. The book is designed to serve as a guide and

in this book. Among these stands out work by Dr. V. Buslov previously published and reprinted in Chapter 6. Many thanks go also to Miss A. Avolio, who typed part of the manuscript and dealt ably with many difficulties in the process. I also wish to thank my publisher, John Wiley & Sons, for full cooperation.

As usual, special thanks go to my wife, Nora, for her moral support, help, patience, and encouragement.

PORT ENGINEERING: PLANNING, SUPERVISION, CONSTRUCTION & MAINTENANCE

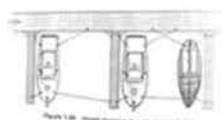


Figure 1.10 Plan view of a port facility

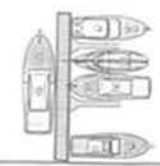


Figure 1.11 Elevation view

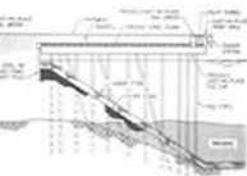
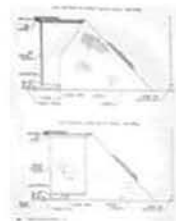


Figure 1.13 Cross-section view

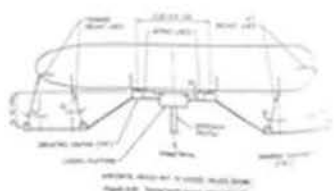


Figure 1.14 Plan view of a port facility

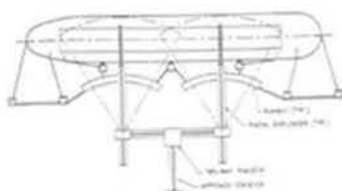


Figure 1.15 Plan view of a port facility

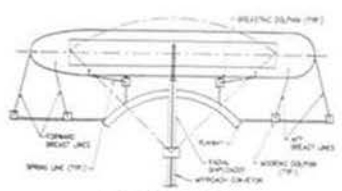


Figure 1.16 Plan view of a port facility

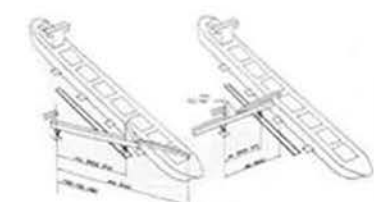


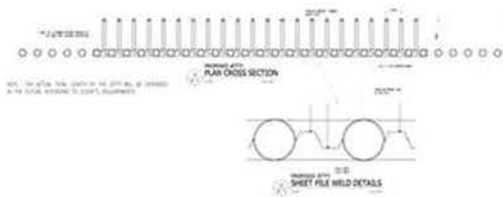
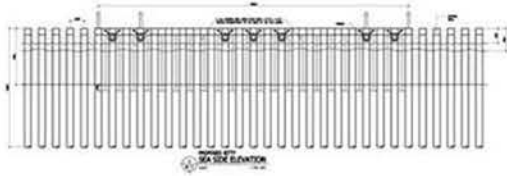
Figure 1.17 Plan view of a port facility



INDUSTRIAL PROJECTS

JETTY @ RAS ZUWAYED
Dream Development

SCOPE OF WORK : DESIGN & SUPERVISION



ACTUAL PHOTO AFTER COMPLETION

THIS SITE



INDUSTRIAL PROJECTS

JETTY @ RAS ZUWAYED
Dream Development

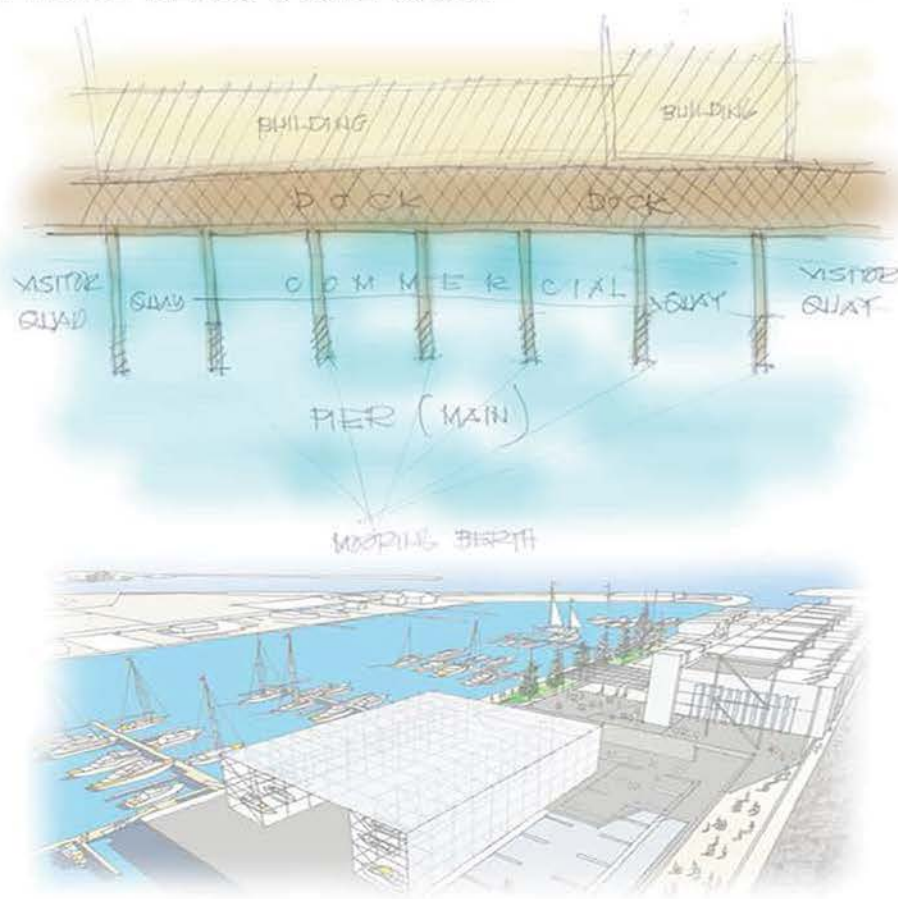
ACTUAL PHOTOS DURING
CONSTRUCTION



INDUSTRIAL PROJECTS

JETTY @ MINA SALMAN
INTERCOOL

SCOPE OF WORK : DESIGN & SUPERVISION



ACTUAL PHOTO AFTER COMPLETION



THIS SITE

INDUSTRIAL PROJECTS

JETTY @ MINA SALMAN
INTERCOOL

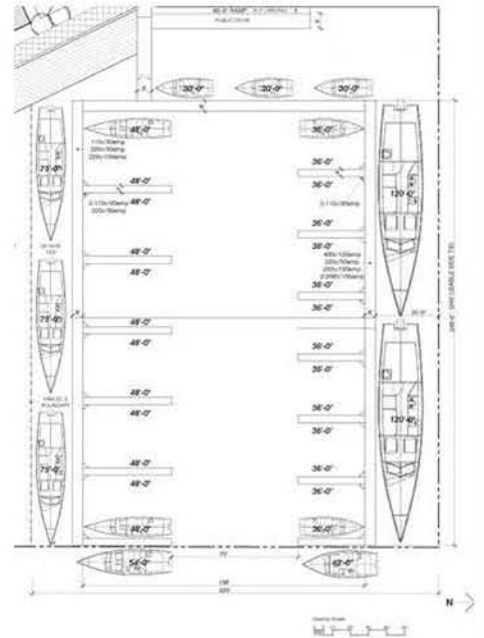
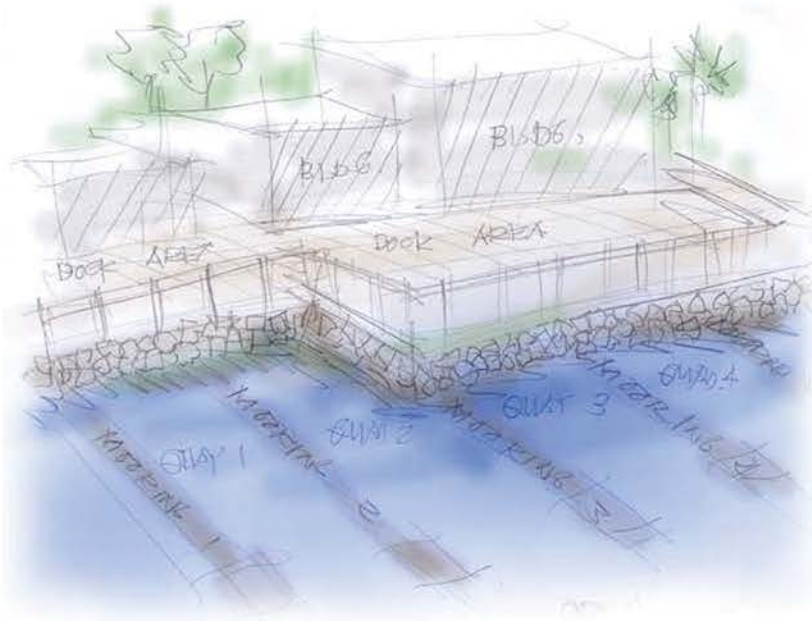
SCOPE OF WORK : DESIGN & SUPERVISION



INDUSTRIAL PROJECTS

JETTY @ HIDD
OPEN SEA

SCOPE OF WORK : DESIGN & SUPERVISION



CONCEPTUAL DESIGN

THIS SITE



INDUSTRIAL PROJECTS

JETTY @ HIDD
OPEN SEA

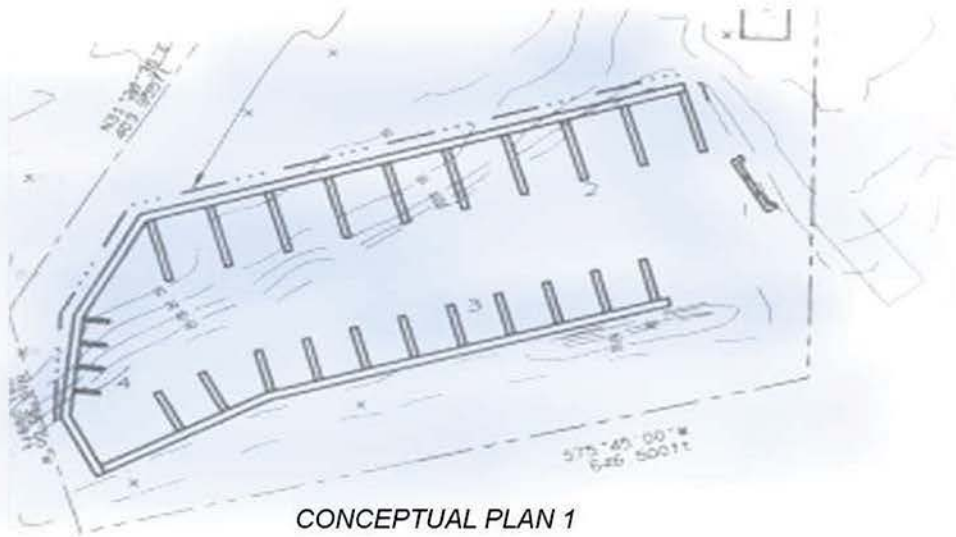
SCOPE OF WORK : DESIGN & SUPERVISION
ACTUAL PHOTOS AFTER
COMPLETION



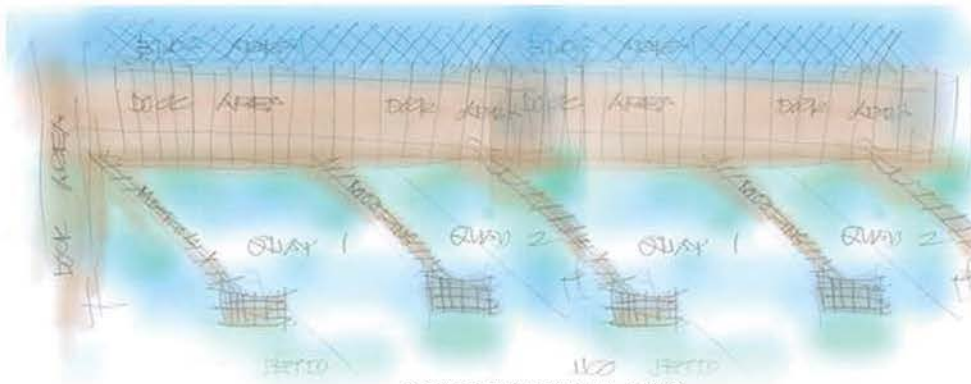
INDUSTRIAL PROJECTS

JETTY @ HIDD
UCO

SCOPE OF WORK : DESIGN & SUPERVISION



CONCEPTUAL PLAN 1



CONCEPTUAL PLAN 2

THIS SITE



INDUSTRIAL PROJECTS

JETTY @ HIDD
UCO

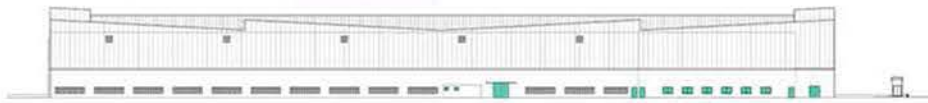
SCOPE OF WORK : DESIGN & SUPERVISION



INDUSTRIAL PROJECTS

AL DHAEN BOAT FACTORY HIDD

SCOPE OF WORK: DESIGN & SUPERVISION



ELEVATION 1 (FACTORY)



ELEVATION 2 (FACTORY)



ELEVATION 1 (ADMIN)



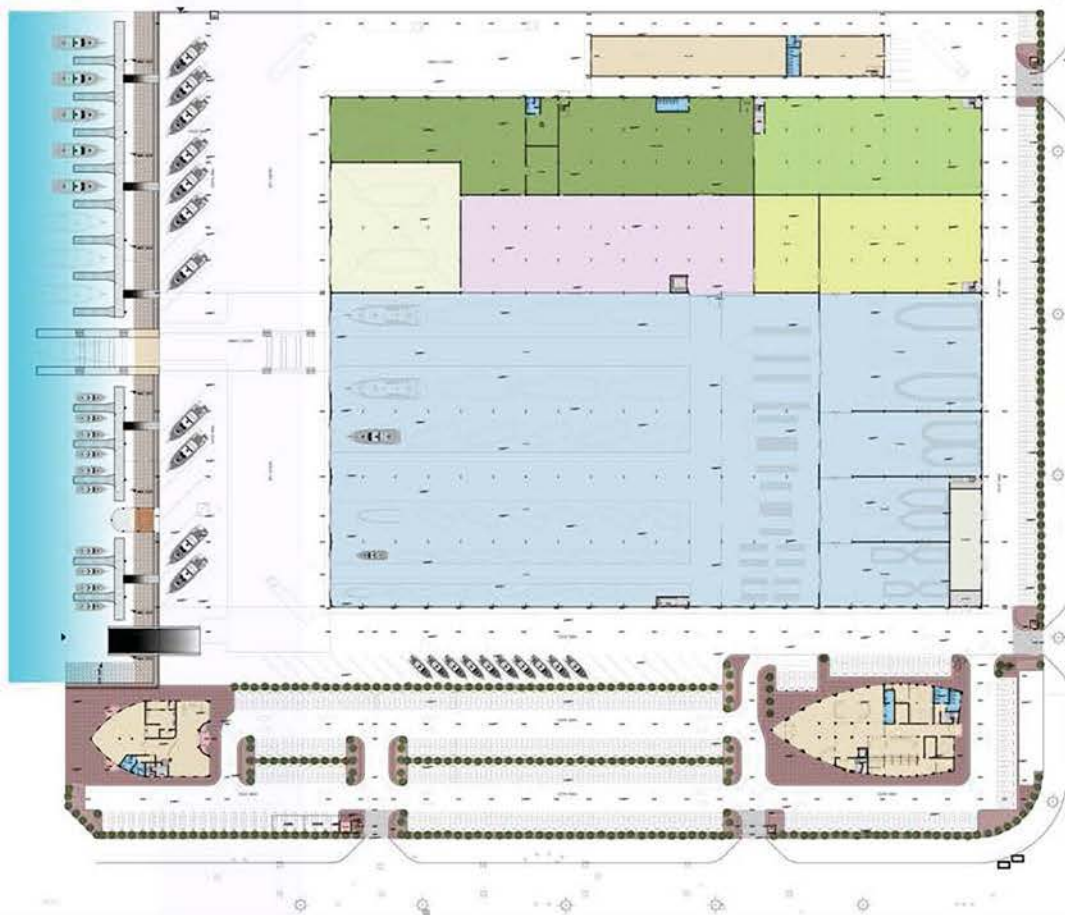
ELEVATION 2 (ADMIN)



ARTIST IMPRESSION OF EXTERIOR VIEW 1



ARTIST IMPRESSION OF EXTERIOR VIEW 2



SITE DEVELOPMENT PLAN

INDUSTRIAL PROJECTS

AL DHAEN BOAT FACTORY
HIDD



THIS SITE

ARTIST IMPRESSION OF AERIAL VIEW

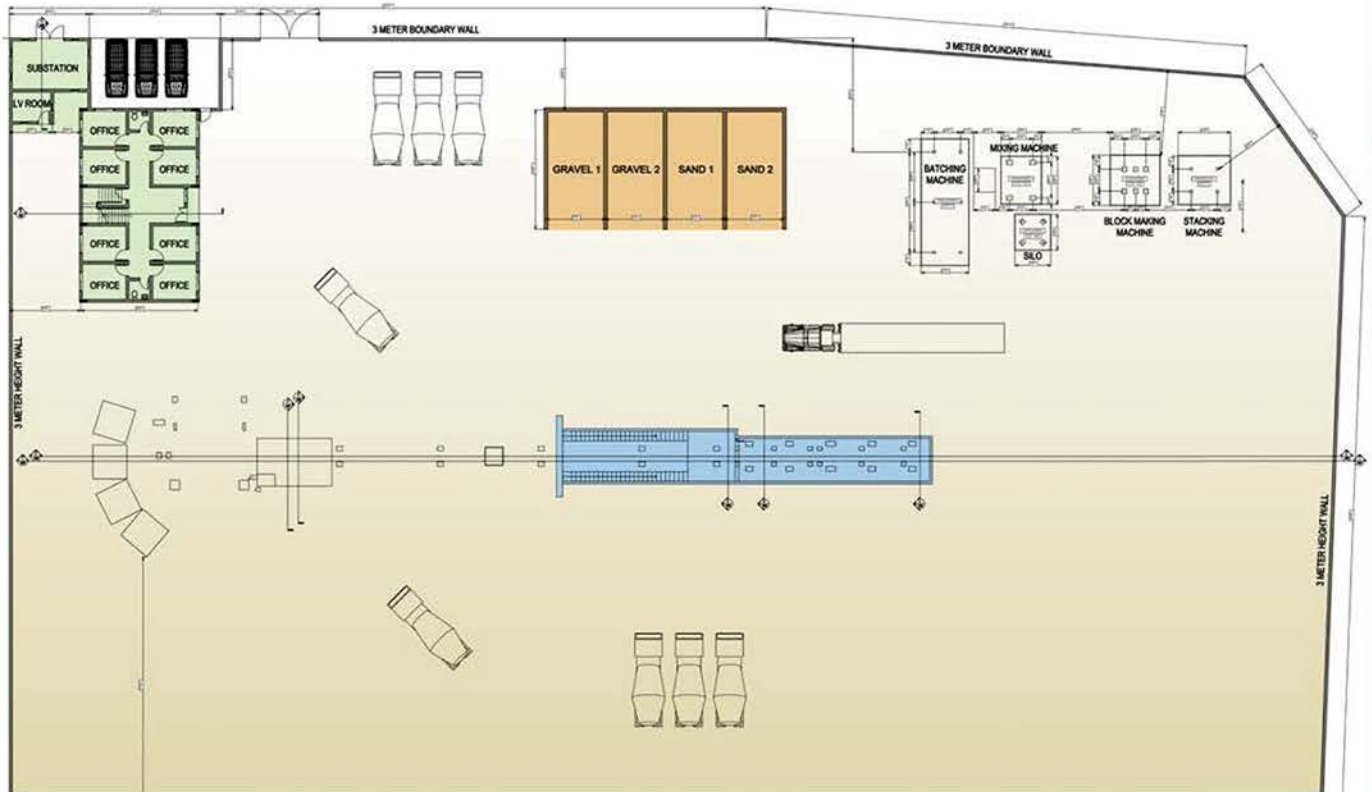


INDUSTRIAL PROJECTS

READY MIX CONCRETE FACTORY
@ HIDD

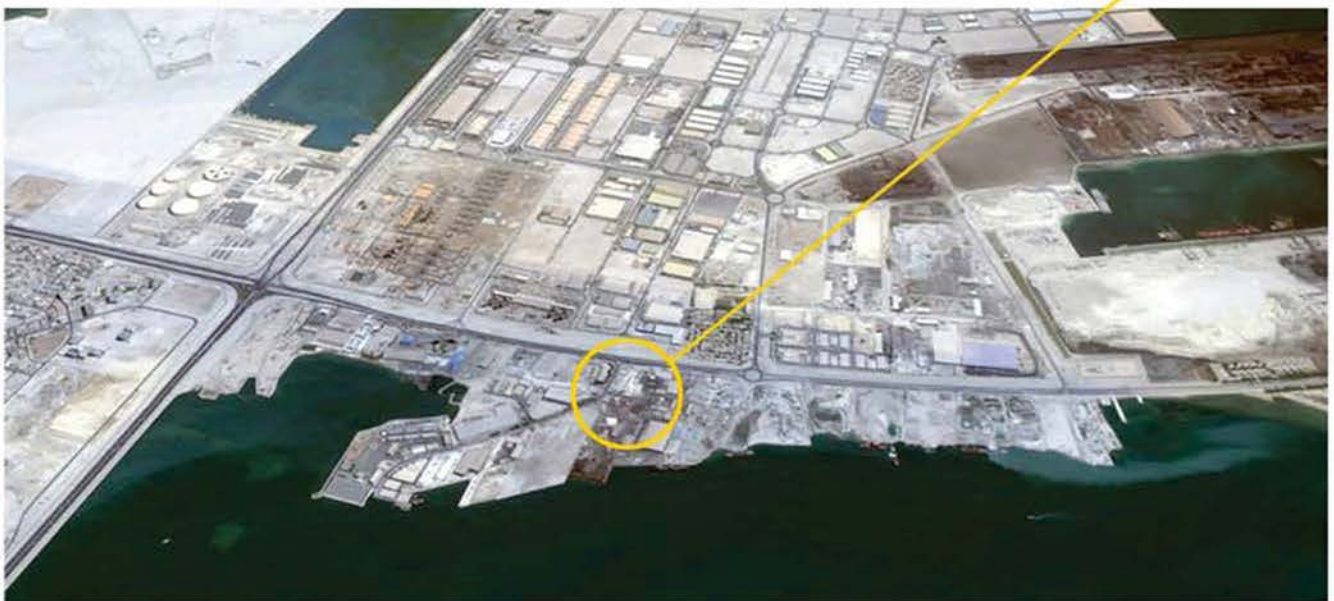
SCOPE OF WORK: DESIGN & SUPERVISION

ACTUAL PHOTOS AFTER PROJECT COMPLETION



SITE DEVELOPMENT PLAN

THIS SITE



INDUSTRIAL PROJECTS

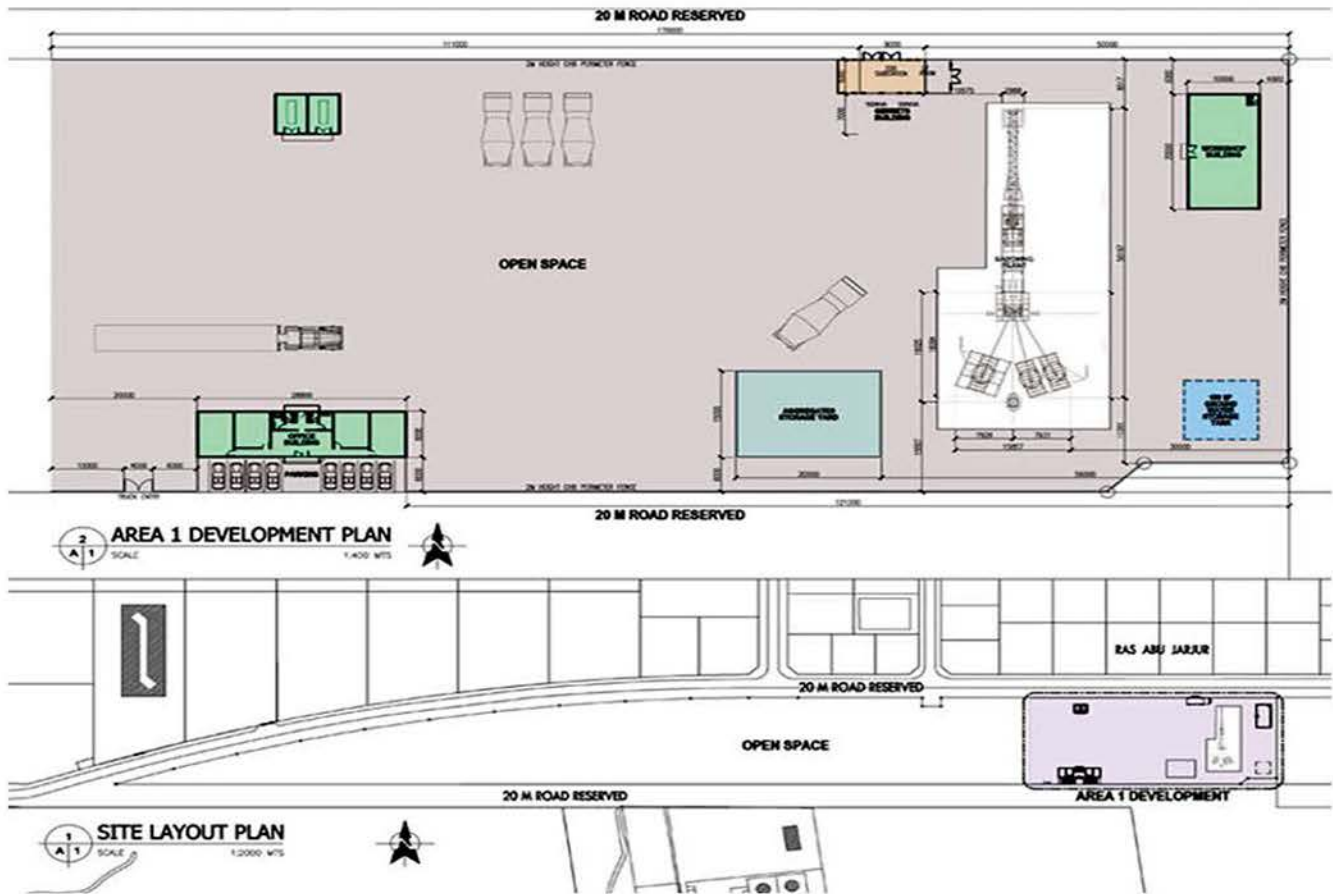
READY MIX CONCRETE FACTORY
@ HIDD

SCOPE OF WORK: DESIGN & SUPERVISION
ACTUAL PHOTOS AFTER PROJECT COMPLETION



INDUSTRIAL PROJECTS

READY MIX CONCRETE FACTORY
@ RAS ZUWAYED



THIS SITE

SITE DEVELOPMENT PLAN



INDUSTRIAL PROJECTS

READY MIX CONCRETE FACTORY
@ RAS ZUWAYED

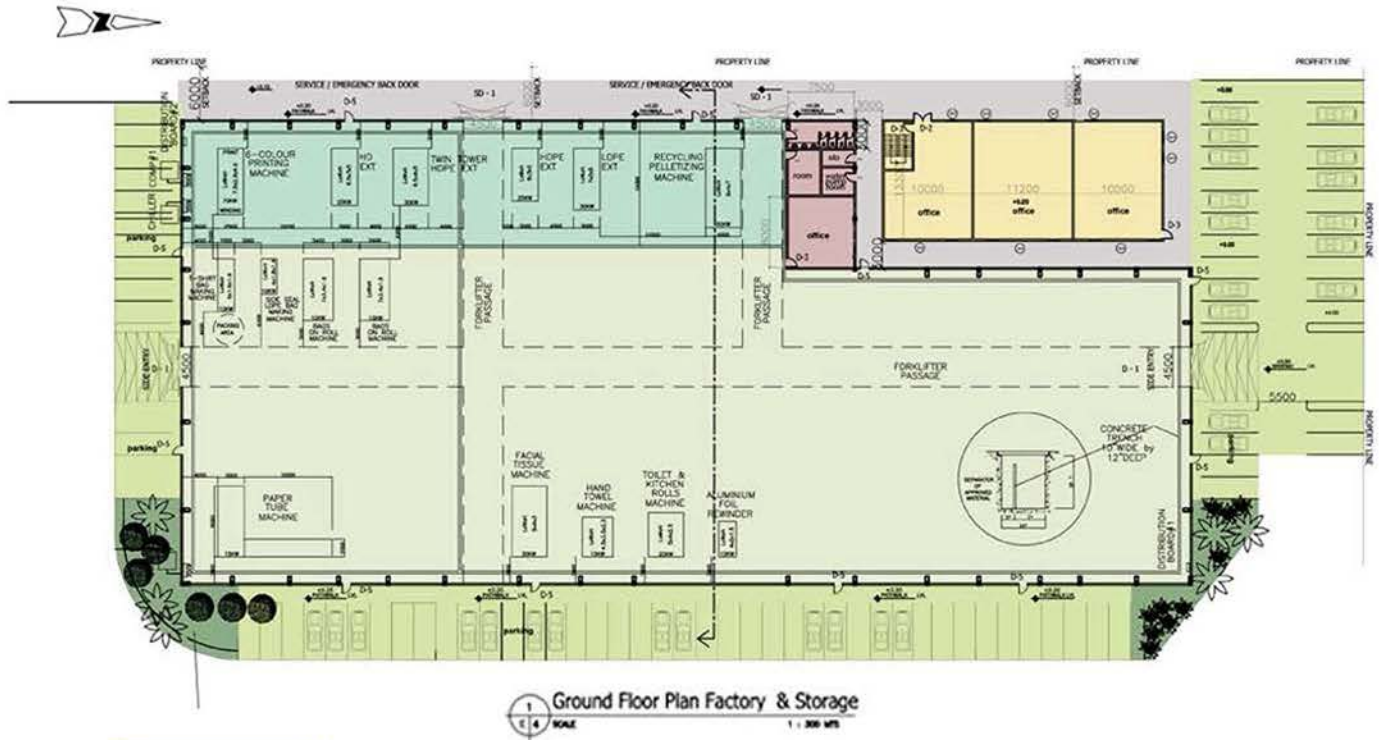
SCOPE OF WORK: DESIGN & SUPERVISION
ACTUAL PHOTOS AFTER PROJECT COMPLETION



INDUSTRIAL PROJECTS

RAMEZ FACTORY
@ HIDD

SCOPE OF WORK: DESIGN & SUPERVISION



THIS SITE



INDUSTRIAL PROJECTS

RAMEZ FACTORY
@ HIDD

SCOPE OF WORK: DESIGN & SUPERVISION

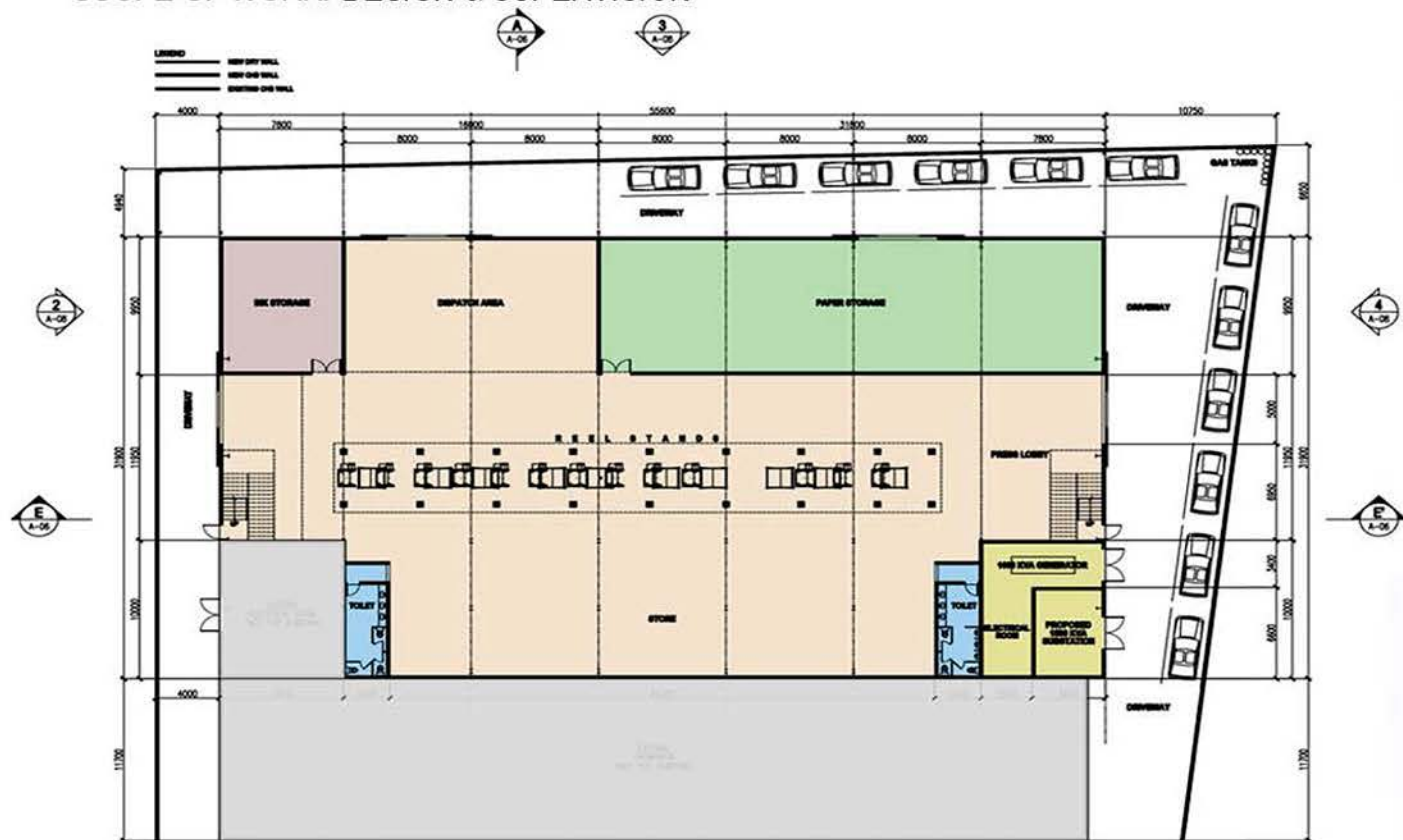
ACTUAL PHOTOS AFTER
PROJECT COMPLETION



INDUSTRIAL PROJECTS

ALWATTAN ROYAL PRESS

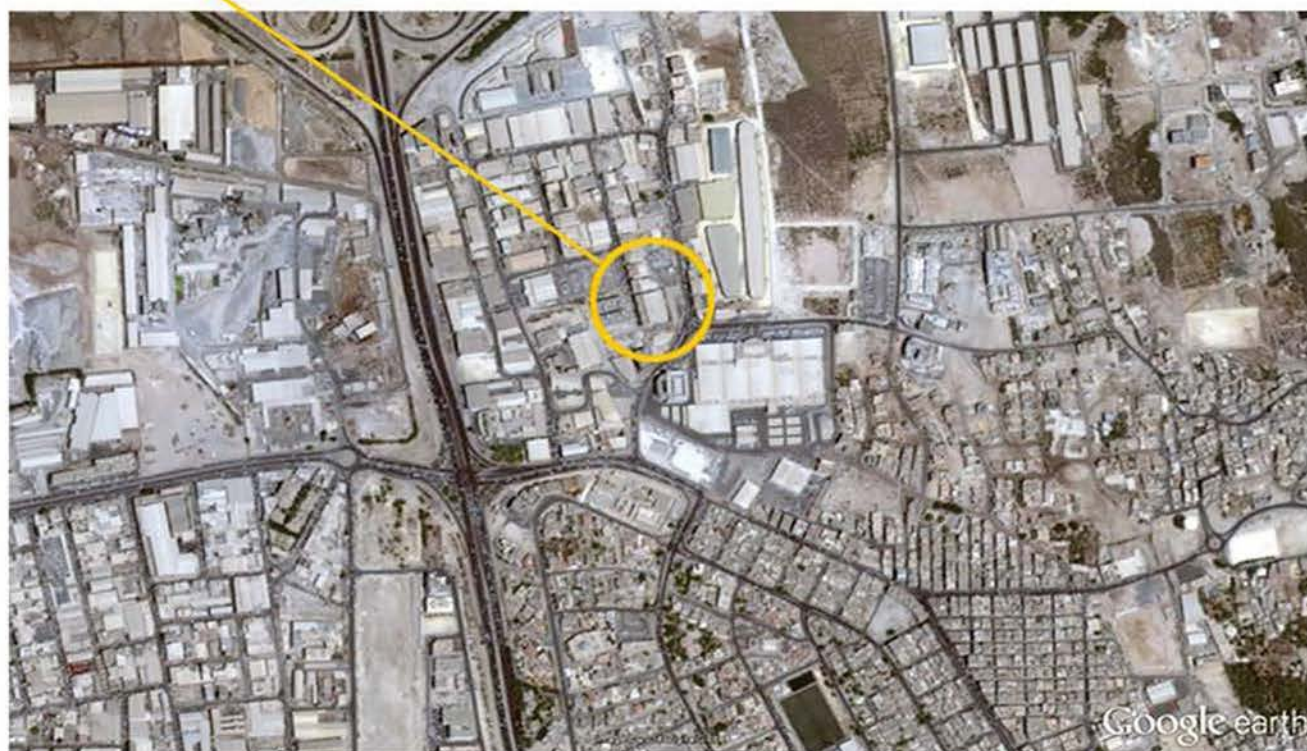
SCOPE OF WORK: DESIGN & SUPERVISION



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GROUND FLOOR PLAN
SCALE 1:200 MTS



INDUSTRIAL PROJECTS

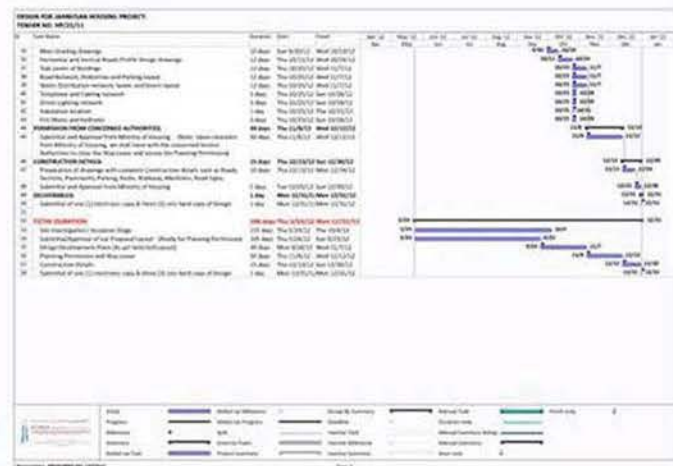
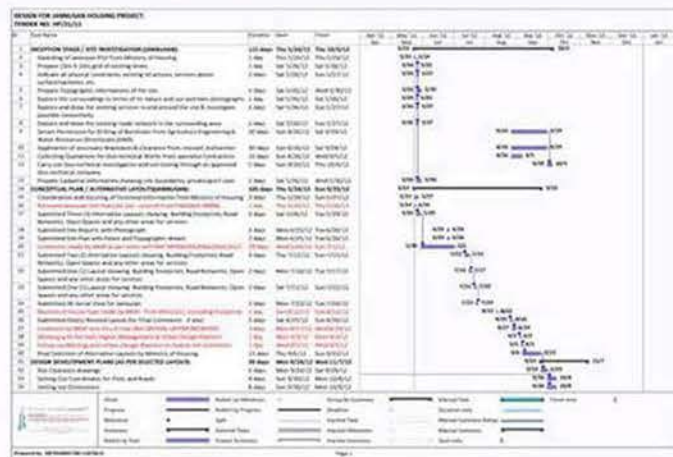
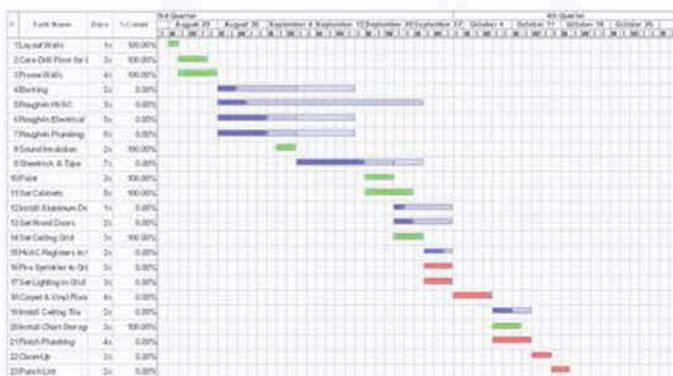
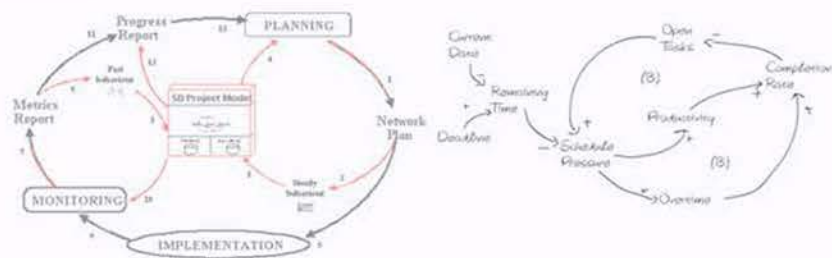
ALWATTAN ROYAL PRESS

SCOPE OF WORK: DESIGN & SUPERVISION

ACTUAL PHOTOS AFTER
PROJECT COMPLETION



PROJECT MANAGEMENT



CONSULTANT APPROACH AND METHODOLOGY

Our Clients



Almost every company has something about client focus in its mission statement. The larger the service organisation, the more executives tend to insulate themselves from clients. Some rely on client-satisfaction surveys and focus groups.

Others simply assume that clients are just like them! These kinds of service companies end up delivering services that suit them, not their clients.

Well, we do not ...!

We understand that our clients work in all sorts of business sectors and industries and may be senior managers, middle management or junior staff members. They have different business goals, with different needs, even their cultures and their business environments might be different.

Despite these differences they share a number of common goals. They may wish to develop a competitive edge to maintain their business growth in increasingly competitive work environments

Achieve business goals to have the minimum impact for Interruptions. Better nurture their staff to achieve to their highest performance levels.

Make an immediate, measurable and lasting difference in their enterprise. Improve their project management skills and relationships. Solve problems more effectively and be solution-focused



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E : info@ke-consultancy.com
www.ke-consultancy.com



NABEEL KOOHEJI ENGINEERING CONSULTANCY