

RESUME

SARTAJ ALI

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- Civil Engineer
- Valid Driving License
- (Saudi Transferable Iqama)



Executive Summary

A talented, results-driven senior civil engineer, management professional with over 9 years of experience in project execution & delivering of engineering solutions for multi-million dollars major civil engineering projects for a reputed company in Pakistan and Saudi Arabia

- Vast exposure in managing multimillion fast track Civil Engineering Projects related to Structural and infrastructure in Pakistan and Saudi Arabia. Strategically focused with exceptional leadership skills. Proven success benchmarking pace-setting results across key performance metrics.
- Ability to handle all site material work from execution to handover phase. Managed all technical aspects as per standard and specification.
- Possess extraordinary talent producing cost-effective solutions leading to increased productivity, decreased labor costs, and improved quality. Quickly solved problems and made decisions using data, design goals and local industry standards.
- Desirous to become an active & responsible member of an energetic team of a highly established construction firm to deliver the best services by utilizing my hard-earned exposure & potential.
- managing the project teams and working to deliver the assigned works on time without compromising on Quality and Client's objectives & requirements, having exposure to work with very reputed Engineering & supervision consultants' firms and with multinational Contractors.

Key skill

- Planning and execution the work according to drawing and time frame
- Carry out technical and feasibility studies and draw up blueprints that satisfy technical specifications
- Support the Project Manager to achieve the goals of the project
- Support the development of final detailed project engineering & layout of the plant and equipment
- Lead the design review process. Liaising with external designers and with in-house process engineers
- Assist in ensuring the project deadlines are delivered on time, within budget and in accordance with appropriate specifications and meeting all regulatory Health and Safety standards.
- Support best practice safety standards on site including strict control and management of contractors while on site

- Possess extraordinary talent producing cost-effective solutions leading to increased productivity, decreased labor costs, and improved quality. Quickly solved problems and made decisions using data, design goals and local industry standards.
- Assessing potential risks, materials and costs
- Review submittal related to the Material for Civil and Arch.
- Prepared combined daily, weekly and Monthly progress and technical report for all disciplines
- Provide advice and resolve creatively any emerging problems/deficiencies
- Oversee and mentor staff and liaise with a variety of stakeholders
- Handle over the resulting structures and services for use
- Monitor progress and compile reports on project status
- Manage budget and purchase equipment/materials
- Developing, modifying, testing and evaluating materials
- Providing technical advice about the suitability of materials
- Advising on, planning and organizing inspections, maintenance and repairs
- Overseeing operational quality control processes
- Liaising with suppliers, customers and manufacturing/development staff
- Supporting engineering and technical staff
- Undertaking relevant research
- Knowledge of international organization for standardization quality systems
- Verify contractor quality requirements are specified to vendors and contractor documentation submittals.
- Review quality inspection personnel qualifications and training requirements
- Monitor the disposition of all issued non-conformances.
- Liaise with the Technical Engineer for submission of material submittals.
- Coordinate with the Contractor representative and Site In-charge for Inspection
- Monitor an efficient system, record all project activities, and analyze all processes to ensure all work meets quality requirements.
- Monitor the progress and effectiveness of the project quality management system. Recommend and implement improvements when required etc....

Team leadership Skill

As team leaders I have built long-term loyalty, trust, credibility, commitment, and morale communication with my team, and provide them with confidence boosts. My Major role as team leader that is solve the problem and continue the work within the tolerance. I have some following Leadership skills

- To lead the Technical Team in collaboration with the Technical Director of the Civil team
- Attending meetings, taking, preparing, checking and issuing minutes where required
- Ensure effective controls are in place and that all staff adhere to the requirements
- Acting as the point of contact for own discipline with other Lead Discipline
- supervising engineering and technical staff
- Take the lead role in securing work for the technical team and support the other disciplines in securing work
- Ensure the commercial interests of the Project Employer and the Company is safeguarded
- Ability to effectively plan, organize and manage time to achieve targets and objectives within a set timeframe.
- Ability to establish effective working relationships with other staff and develop into a customer focused team.
- Ability to effectively manage and establish rapport with external consultants.
- Ability to lead, direct and support staff in their role and responsibilities.

- Ability to analyses and make informed decisions on a day-to-day basis.
- Ability to initiate and respond positively to change

Manage operations of individual projects:

- Ensure timely implementation of short- and long-term project goals
- Manage relationships with individual contractors and ensure quality, and timely implementation
- Oversee engineering activities and ensure that company requirements and specifications are met
- Manage support from the Engineering Department as needed for technical matters
- Monitor planning, testing, and operating phases to complete projects
- Arrange inspection, quantity surveying, cost and quality control through qualified team.
- Implement project management and reporting standards, requirements, policies and procedures
- Coordinate teams of a Site Engineers / Supervisors, surveyors and foremen
- To Manage Control of all other company projects and have the ability to cover for other Projects works as needed.

Core Competencies

- Project Management
- Project/Budget Reporting
- Subcontractor Management
- Critical Thinking and Problem Solving
- Risk Analysis and Management

Professional Experience

1. YUKSEL SAUDIA IN SAUDI ARABIA RIYADH (o c t 2024 to Continue)

Designation; Civil Engineer

Major Projects:

- Green Riyadh Project (Group-06)
- Consultant (ILF Consulting Engineers)
- Clint (Royal commission for Riyadh city)

Summary of the project:

Green Riyadh's core purpose is to transform the city into a greener, cooler, healthier, and more sustainable metropolis—boosting residents' quality of life, reducing environmental footprint, and giving Riyadh a new global stature under Saudi Vision 2030.

The Network Green Riyadh Project – PM2100 involves the installation of a 1200mm CS (Carbon Steel) pipeline as part of Riyadh's ambitious urban greening initiative. To support Riyadh's Green Initiative by distributing treated wastewater for irrigation via a major transmission line.

Carbon Steel (CS) Coating Typically, internal cement mortar lining and external fusion-bonded epoxy (FBE) or polyethylene coating for corrosion protection and welded joint were protected by cold wrapping.

Designed for medium-to-high pressure, depending on hydraulic needs.

Scope of Work Includes excavation and trenching pipe laying and welding Non-destructive testing (NDT) of welds, Corrosion protection systems (cathodic protection) Valve chambers, supplies non-potable water for irrigation to support the planting of millions of trees.

Responsibilities

- Excavation and Surface Preparations including installation of shoring system
- Mark out the site, make sure designs are applied correctly and liaise with main, sub- contractor and Site

Manager

- Supervise critical work installation of pile for pipeline micro tunnels
- Planning the work and efficiently Organizing the site to meet the agreed deadlines
- Preparation of Traffic Diversion plans, as per Al-Riyadh Traffic department rules.
- co-ordination with Consultant (ILF, Site inspection)
- Construction of Chambers (AV, AV/SBTV, WSO, SBTV)
- Labor Management (Regular Follow, Maintaining Over Time)
- Follow up for Issuance of Work Permits from RCRC
- Coordination with QA QC team and conduct internal material inspections to ensure compliance with specifications
- Work inspections to ensure compliance with drawings and specifications and raise work inspection requests to the QA QC department
- Ensuring the implementation of Project HSE program and safe work practices in the project
- Review of Red Line Drawing for accuracy and incorporation of all information

2. ENVIROMENTAL SYSTEM CO. RIYADH (May 2023 to Sep 2024)

Designation; Civil Engineer

Major Projects:

- Water supply project
- Consultant (Fawad Salih consulting engineers)
- Clint (National Water Company)

Summary of the project:

NWC Water Supply Project – Janadriyah, Riyadh

The National Water Company (NWC) launched a water supply infrastructure project to serve the Janadriyah area in Riyadh, aiming to enhance water distribution and meet increasing residential and commercial demands. Provide reliable and sustainable potable water to the Janadriyah district. Support the area's urban development and population growth. Reduce reliance on water tankers by expanding the municipal water network.

Responsibilities

1. Site Investigation & Preparation

- Conduct site surveys, topographic studies, and soil testing.
- Review and interpret design drawings, specifications, and scope of work.
- Ensure **site clearance** and safety before construction begins.

2. Pipeline Installation

- Supervise excavation, bedding, and backfilling for water pipelines.
- Oversee laying of DI/HDPE/steel pipes, including alignment and jointing.
- Ensure compliance with NWC standards and specifications.

3. Structural Works

- Manage construction of valve chambers, manholes, thrust blocks, and water tanks.
- Oversee reinforcement works, concrete pouring, and curing.
- Ensure structures meet hydraulic and structural integrity standards.

4. QA/QC (Quality Assurance / Quality Control)

- Conduct inspections of materials, workmanship, and safety.
- Prepare and review inspection request (IR) and material submittals.
- Coordinate with **consultants and** NWC inspectors for approvals.

5. Health, Safety & Environment (HSE)

- Implement and monitor site safety protocols as per NWC and local regulations.
- Ensure use of PPE and safe working practices for all activities.
- Report and mitigate any site hazards or violations.

6. Progress Reporting & Documentation

- Maintain daily site reports, work progress updates, and manpower logs.
- Assist in preparing monthly progress reports, project schedules, and as-built drawings.
- Communicate with the site manager, consultants, and client representatives.

7. Coordination & Communication

- Liaise with MEP, survey, and geotechnical teams.
- Coordinate with subcontractors, suppliers, and utility authorities.
- Participate in technical meetings and resolve site-related issues.

3. AL SAYEGH COMPANY RIYADH (March2022 to Apr 2023)

Designation; Civil Engineer

Major Projects:

- STORM WATER
- Consultant (Fawad Salih consulting engineers)
- Clint (Ministry of Housing)

Summary of the project:

The Storm Water Project is a civil infrastructure initiative designed to manage and control the flow of rainwater and surface runoff, particularly during heavy rainfall, to prevent urban flooding, road damage, and public health risks.

The Purpose of storm water project is to Collect, convey, and discharge stormwater safely away from urban areas.

Protect roads, buildings, and infrastructure from water damage. Reduce flooding risks in low-lying and highly populated areas.

Scope of Work:

Construction of stormwater networks (box culverts) Installation of inlets, catch basins, manholes, and outfalls.

Implementation of underground drainage systems in residential and commercial areas.

Construction of retention/detention basins, pumping stations, and stormwater discharge points.

Responsibilities

1.Site Assessment & Preparation

- Conduct topographic surveys and soil investigations.
- Review and interpret drawings, specifications, and project scope.
- Coordinate with design teams for any modifications or clarifications.

2. Excavation & Earthworks

- Supervise excavation to required depth, ensuring slope stability and safety.
- Monitor dewatering operations if required due to groundwater.
- Ensure proper bedding and soil compaction under foundation level.

3. Box Culvert Construction

- Oversee formwork, reinforcement fixing, and concrete pouring.
- Ensure alignment, level, and grade are as per design.
- Supervise joint sealing, waterproofing, and curing procedures.
- Inspect precast or cast-in-situ box culvert segments for quality.

4. Quality Control & Testing

- Ensure materials (concrete, steel, waterproofing, etc.) meet project specs.
- Conduct and witness tests: slump, compressive strength, compaction, etc.
- Prepare Inspection Requests (IRs) and coordinate with the consultant/client for approvals.

5. Coordination & Supervision

- Coordinate with surveyors, HSE, and mechanical/electrical teams.
- Supervise subcontractors and ensure efficient resource deployment.
- Attend site meetings, resolve technical issues, and implement instructions.

6. Health, Safety & Environment (HSE)

- Enforce site safety regulations and ensure workers use PPE.
- Identify and mitigate hazards like working in confined spaces or deep excavations.
- Ensure safe handling of concrete, machinery, and formwork systems.

7. Documentation & Reporting

- Maintain daily progress reports, manpower records, and material logs.
- Submit work inspection requests, concrete pour cards, and site memos.
- Assist in the preparation of as-built drawings and project handover documents.
- Ensuring stormwater flow calculations are matched in execution.
- Adjusting drainage gradients based on real site conditions.
- Ensuring culvert headwalls, wing walls, and apron slabs are built to spec.

4. AL-SABQ AL-ARABI CO. RIYADH (March2020 to Feb 2022)

Designation; Civil site Engineer

Major Projects:

- Sanitary pipeline network tuwaiq district Riyadh
- Consultant (Fawad Salih consulting engineers)
- Clint (National Water Company)

Summary of the project:

The Sanitary Pipeline Distribution Project in Tuwaiq District, Riyadh is a critical infrastructure development implemented by the National Water Company (NWC) to enhance the area's wastewater collection and disposal system. The project is part of Riyadh's broader plan to improve public health, sanitation, and environmental sustainability.

Main Objectives:

- Provide a comprehensive and reliable sewerage network for the growing population of Tuwaiq.
- Eliminate reliance on septic tanks and reduce groundwater pollution.
- Connect residential, commercial, and public facilities to the main municipal sewer system.

Scope of Work:

- Installation of underground GRP/UPVC sanitary pipelines of various diameters.
- Construction of inspection manholes, house connections, and ventilation shafts.
- Integration with existing main trunk sewer lines and treatment plant connections.
- Restoration of roads and pavements after pipeline laying.

Technical Features:

Gravity-based sewer system design, complying with NWC and municipal standards.

Use of trench shoring, dewatering, and traffic management for safe execution.

Focus on slope accuracy, leak prevention, and long-term durability.

Benefits:

- Improved sanitary conditions and public health.
- Enhanced urban infrastructure to support future development.
- Environmentally sustainable sewage collection and treatment.

Responsibilities

1.Site Preparation & Surveying

- Review and interpret design drawings, pipeline profiles, and specifications.
- Coordinate with surveyors for line marking, invert levels, and alignment.
- Ensure clearance of utilities and safe excavation zones.

2. Excavation & Trenching

- Supervise trenching operations according to depth, width, and slope requirements.
- Monitor shoring and dewatering for safety and soil stability.
- Ensure safe working practices in confined and deep trench environments.

3. Pipe Laying & Installation

- Oversee laying of sewer pipes (GRP, UPVC, HDPE, SVCP) as per approved design.
- Ensure correct slope, level, and alignment to maintain gravity flow.
- Supervise jointing, bedding, and haunching procedures.

4. Manhole & Structure Construction

- Supervise construction of inspection manholes, drop manholes, and vent shafts.
- Check formwork, steel reinforcement, and concrete for structural works.
- Ensure proper waterproofing, backfilling, and compaction around manholes.

5. Quality Control & Testing

- Check materials for compliance with project specifications.
- Conduct or witness leak tests, air/water tests, and compaction tests.
- Prepare and submit Inspection Requests (IRs) and coordinate with the consultant/client.

6. HSE Compliance

- Ensure strict adherence to Health, Safety, and Environmental (HSE) procedures.
- Monitor safe use of equipment, PPE, and traffic diversions in working areas.
- Handle confined space entry precautions and emergency readiness

5. Iqbal Real Estate & Builders (Pvt.) Ltd. ISLAMABAD PAK (Sep2018 to Feb 2020)

Designation; Civil site Engineer

Major Projects:

- Dominion mall and apartments Bahria town phase VIII
- Design Consultant (dr. Qaisar Ali associates)
- Clint (Dominion properties Bahria town Islamabad)

Summary of the project:

Dominion Mall is a high-end mixed-use commercial and residential development. The project combines luxury shopping outlets with modern residential apartments, offering an all-in-one urban lifestyle experience. Architects & Designers: Adeel Mumtaz & Shamim Associates

MEP Consultants: Dr. Qaisar Ali Associates

Responsibilities

- check the work of sub-contractor according with project specification.
- Ensure the quality of work
- drawing coordination with contractors.
- Planning & execution of works with contractor.
- preparing project documentation including inspection daily report, and construction records,
- reviewing plans specifications and updating logs in regard to RFIs
- Operations, measurements, and inspections are scheduled,
- Preparation weekly and monthly report
- Maintaining Curing Record
- Supervise concreting of Piles & structures
- Monitor closeout of Corrective Actions.
- Ensure all Quality Control Records are kept up-to-date and filed.
- Ensure the necessary Training systems of labor are in place together with safety and toolbox talks.
- Establish, report and follow up all on non-conformance activities
- liaising with clients and a variety of professionals including architects and subcontractors
- resolving design and development problems
- assessing the sustainability and environmental impact of projects
- Preparation of BOQ.
- Preparation of shop drawings for client approval and proposals.

6. AIRRS Associates Pvt. Ltd. – Islamabad, Pakistan (jun2016 – Aug 2018)

Designation: Site Engineer

Major Projects:

- Construction of high raise building
- Consultant (MES)
- Clint (Pakistan ministry of defense)

Summary of the projects

- Construction of high rise building residential apartments at Rawalpindi
- High-rise residential buildings at PAF Tarnol site
- Commercial multi-story office block (Islamabad Zone V)

Responsibilities

- check plans, drawings and quantities for accuracy of calculations
- ensure that all materials used and work performed are in accordance with the specifications
- oversee the selection and requisition of materials
- Agree a price for materials and make cost-effective solutions and proposals for the intended project
- manage, monitor and interpret the contract design documents supplied by the client or architect
- liaise with any consultants, subcontractors, supervisors, planners, quantity surveyors and the general workforce involved in the project
- liaise with the local authority (where appropriate to the project) to ensure compliance with local construction regulations and by-laws
- communicate with clients and their representatives (architects, engineers and surveyors), including attending regular meetings to keep them informed of progress
- carry out day-to-day management of the site, including supervising and monitoring the site labor and the work of any subcontractors - this is site-specific and may not be the case on all projects
- day-to-day management of the site, including supervising and monitoring the site labor force and the work of any subcontractors
- plan the work and efficiently organize the plant and site facilities in order to meet agreed deadlines
- oversee quality control and health and safety matters on site
- prepare reports as required
- resolve any unexpected technical difficulties and other problems that may arise.
- Supervised Piling with method of CFA
- Managing and supervise of concrete up to 2000 m³
- Involved in Quality Assurance /Quality Control
- Coordinating with staff & sub-contractors
- Detect and locate defects and faulty construction materials and workmanship.
- Supervision of pre-stress slab & beam
- Review as built drawings and Manuals for accuracy and adequacy prior to submission to Client/Consultant
- Water proofing works
- Involved in client and architect correspondence

PROFESSIONAL QUALIFICATION:

- Bachelor in Civil Engineering (Honors)
- Faculty of Science (Pre-Engineering)

Computer Skills:

- Proficient in AutoCAD.
- Proficient with Microsoft Word, Excel and PowerPoint.
- Thorough understanding of social media and social media analytics.
- Knowledge of SEO techniques.
- Skilled in website troubleshooting

Professional Memberships & Client's Approval:

- a) Approved from Higher Education Commission Pakistan
- b) Register civil engineer at Pakistan engineering council civil 42489.
- c) Register civil engineer at Saudi council of engineers civil 807085.

PROFESSIONAL PROFILE	
Profession	Civil Engineer
Date of Birth	05/12/1992
Nationality	Pakistani

Marital Status	Married
Visa status	Employment
Languages	English, Arabic, Urdu, & Pashto
Driving License	Valid Saudi Arabia