

Mirza Mohammad Abdul Sami Baig

Civil Engineer

• Riyadh, KSA • engr.abdulsamibaig@gmail.com • linkedin.com/in/abdulsamibaig • +966 55 3096780

OBJECTIVE: Civil Engineer with a strong foundation in design, planning, and construction, seeking to contribute technical expertise and project management skills to deliver high-quality infrastructure and building solutions.

PROFESSIONAL SUMMARY:

Accomplished Civil Engineer with **4+ years** of diverse experience in infrastructure development, stormwater drainage networks, and building construction across Saudi Arabia and Pakistan. Currently leading execution on a **315M SAR** stormwater drainage project in Riyadh, involving 99 L.Km of mainline network and 50 L.Km of catch basin connections.

Previously contributed to the successful execution of residential and commercial building projects in Pakistan, including foundation layouts, structural framing, and architectural coordination. Skilled in site supervision, progress tracking, utility analysis, and cross-functional coordination.

Proficient in **AutoCAD, Civil 3D, Primavera P6, and MS Excel** for design, surface modeling, quantity estimation, scheduling, planning, monitoring, and reporting. Passionate about delivering high-quality, sustainable engineering solutions while aligning construction practices with client objectives and regulatory standards.

EDUCATION:

Bachelor of Science in Civil Engineering | 2017-2021
University of Engineering and Technology (UET), Taxila, Pakistan

EXPERIENCE:

Civil Engineer, Yuksel Insaat Saudia Co. Ltd. Riyadh

Jan 2024 - Present

- ✓ ***The Execution of Storm Water Drainage Networks at (Al-Munisiyah, Al-Rimal & King Abdullah) in Riyadh City.***
- Prepare progress reports, highlighting key milestones and findings for efficient decision-making by project managers and stakeholders.
- Ensure all activities are executed in strict compliance with QSHE (Quality, Safety, Health, and Environment) standards, maintaining high safety and quality control throughout the project lifecycle.
- Develop traffic diversion plans for road and drainage projects to ensure safe and smooth traffic flow with minimal disruption.
- Identify and assess traffic risks, proposing proactive solutions to avoid delays and enhance safety.
- Analyze machine efficiency and downtime causes, providing recommendations to optimize performance and reduce disruptions.
- Conduct excavation calculations, ensuring accurate trench widths, depths, and asphalt cuts, while adhering to design specifications.
- Track key activities like excavation, bedding, and asphalt laying, ensuring alignment with project timelines, specifications, and safety standards.
- Manage site operations for excavation, backfilling, and structure installation, ensuring timely completion and adherence to design specs.
- Utilize Civil 3D and AutoCAD for stormwater network design, topographic analysis, pipe and culvert optimization, and drainage structure placement, ensuring alignment with project specifications and seamless integration of existing utilities.

- Create precise AutoCAD plans and sectional drawings for manholes, ensuring accurate placement with detailed coordinates and angles, especially for complex pipe intersections at non-perpendicular angles.
- Maintain box culvert schedules, ensuring on-time delivery and precise alignment with specifications.
- Monitor drainage structure installation, ensuring proper alignment and compliance with Civil 3D design data.
- Evaluate subcontractor performance by analyzing excavation data and machine efficiency to ensure quality and meet project standards.

Civil Site Engineer, United Engineers & Contractors (Pvt) Ltd.

Aug 2021 - Dec 2023

- ✓ ***The Establishment of South Punjab Civil Secretariat & Government Officer Residence (GOR) in Multan.***
- Oversee topographic surveys, ensuring accurate excavation markings and alignment with structural drawings.
- Supervise excavation and layout, ensuring precise depth, alignment, and compaction for lean concrete placement, adhering to structural and geotechnical specifications.
- Supervise steel reinforcement installation for footings, columns, beams, and slabs, ensuring conformance to the approved Bar Bending Schedule (BBS).
- Review project specifications pre-activity to ensure design adherence and enable informed decision-making for efficient site execution.
- Optimize resource management, ensuring efficient allocation of assets to meet project milestones and improve productivity.
- Document site reports including delivery notes, progress updates, and as-built drawings, ensuring timely submission for project tracking.
- Foster stakeholder relations, representing the company professionally and facilitating effective collaboration with all parties.
- Implement QHSE standards, ensuring full compliance with safety, health, and environmental protocols.
- Enforce zero-tolerance safety measures, driving compliance with safety regulations to maintain a risk-free work environment.
- Ensure timely completion of quality checklists, upholding high standards of construction quality control.
- Resolve execution risks, collaborating with stakeholders to address issues related to contracts, documentation, and project timelines.

CORE COMPETENCIES:

✓ **TECHNICAL SKILLS**

- Civil 3D
- AutoCAD
- Primavera P6
- Technical reporting
- Engineering Analysis
- Project Management

✓ **SOFT SKILLS**

- Problem-Solving
- Attention to Detail
- Team Collaboration
- Strong Communication
- Continuous Learning and Adaptability
- Independent Workflow Management

COURSES & CERTIFICATIONS:

- Autodesk Civil 3D 2025 Essential Training - **LinkedIn**
- AutoCAD Civil 3D: Pressure Pipe Design- **LinkedIn**
- AutoCAD Civil 3D: Designing Gravity Pipe Systems – **LinkedIn**
- AutoCAD Civil 3D: Intersecting New Roads with Existing Road - **LinkedIn**
- Excel for Engineering Professionals – **LinkedIn**