


Mahmoud Ali Geomatics (Survey) Engineer

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Professional summary

Surveying Engineering Bachelor (2008).

Membership of Saudi Council of Engineers at Associated Engineer Degree.

Professionally qualified in the field of Surveying Engineering with more than 16 years of experience in the Engineering and Construction field, worked as contractor and consultant, that all were throughout my Surveying Engineering Discipline, Roads, Construction activities, Industrial Cities, Infrastructure and Quantity Surveying.

Area of Expertise

- Infrastructure.
- Construction.
- Geomatics.
- Site Supervision.
- Google Earth.
- Topographic Survey.
- Arc GIS.
- Total Station.
- Global Position System (GPS).
- Microsoft Office.
- Quantity Survey.
- Earth Work.

Professional experience

Sr. Survey Engineer, JASARA PMC, Riyadh, KSA January 2020 - present

Area of Experience:

Industrial & Infrastructure. (Roads – wet utilities – Factories-Pump Stations)

Client: Saudi Authority for Industrial Cities and Technology Zones (MODON).

Title: Survey Engineer.

Buildings & Utilities Construction. NEOM (SHARMA).

Client: Confidential.

Title: Survey Engineer.

Construction & Infrastructure (Buildings – underground utilities - Landscape).

Client: New MURABBA DEVELOPMENT COMPANY (NMDC).

Title: Sr. Survey Engineer.

Responsibilities :

- Reviewing surveying works specifications prior project start.
- Establishing, observing, checking and approving projects control points.
- Implement topographic survey for whole project area.
- Review design, IFC and shop drawings.
- Review Roads cut & fill, cross sections and slopes in Earth Work and Civil 3D.

- Monitoring the alignment for footing and columns.
- Installation the anchor bolts to start steel structure.
- Checking, analyzing land surveying measurement.
- Inspecting trenches excavation alignment for project underground networks.
- Supervision project infrastructural networks such as Storm, Sewerage, Potable, Irrigation Fire Fighting)
- Calculating invert levels and slopes for drainage.
- Supervision of GRP pipe drainage HDPE pipe water supply, pipeline laying, bedding, testing and backfilling.
- Supervision of manhole installation, chambers, gullies and catchments.
- Attending the progress meetings, technical co-ordination meetings.

Sr. Survey Engineer, DAR AL RIYADH, Riyadh, KSA March 2017 - December 2019

Area of Experience: Construction (Roads & Urban Planning) 3 Years Project handed over.

Client: Ministry of Housing

Title: Survey Engineer

Responsibilities :

- Establishing, observing, checking and approving projects control points.
- Reviewing all surveying works specifications prior project start.
- Review Roads cut & fill, cross sections and slopes in Earth Work and Civil 3D.
- Check all project IFC, shop drawings and profiles.
- Following up with the Earthworks (BOQ).
- Checking, analyzing land surveying measurement.
- Develop, implemented, monitored and provided progress reports on projects.
- Supervision and control all site activity.
- Generation of Survey Reports, Road Profile and Road Alignment.
- Preparing the Embankment, Subgrade, DBM, BC as per Drawing.
- Perform all office works.
- Reviewing and checking all planners of lands and houses.
- Implements policies and procedures.
- Coordinating with all beneficiaries.
- Visiting all sites to insure about technical issues.
- Completing all paper works and documents then send it to the main office.

Survey Engineer, Saudi Map Engineering Consultancy, Riyadh, KSA March 2013 - March 2016

Client: Riyadh Municipality

Title: Survey Engineer

Scope/Description: Improvement of Surveying Work milieu at sub-municipals of Riyadh Municipality. 3 Years

Responsibilities :

- Coordination between external entities which have deferent projects in the same area (Metro, Drainage, Transportation).
- Implements policies and procedures.
- Check and adjust master maps coordinates.
- Receive submittal reports from survey office and check it.
- Technical training and development for all Riyadh municipality Surveyors and engineers.
- Surveying equipment maintenance and calibrations.
- Technical support and technical problem solving.

Survey Division Manager, Al Falaq Contracting Co., Riyadh, KSA October 2011 - March 2013

Client: Riyadh Municipality

Title: Survey Division Manager

Scope/Description: Underground drainage channels, Construction, 3 Years Projects handed over.

Responsibilities :

- Head of Surveying department with full responsibility for all surveying aspects of projects.
- Supervision and establishing of horizontal and vertical control points.
- Setting out all project feature and landmarks.
- Survey Teams Leader.
- Coordinating works between survey teams for all projects.
- Collecting and organizing projects data.
- Ensure that all survey data, including measurements and calculations, technical designs and specifications are reviewed and in line with the client's specific requirements.
- and Standards and in relation to measurements, survey methods, tools, procedures.
- Calculating the quantities of materials (cut & fill).
- Preparing all layouts and drawings in different types.
- Preparing all official submittals and requests.
- Interaction with the Engineers/ Managers of Consultant on day-to-day basis.
- Studying all issues rises in projects and propose solutions with the consultant.

Survey Engineer, RA International FZCO, Dubai, UAE December 2009 - September 2011

Client: United Nation

Title: Survey Engineer

Scope/Description: Camps & Helipads, Construction, 2 Years Projects handed over.

Responsibilities :

- In charge for all surveying works.
- Calculating the quantities of materials (cut & fill).
- Setting out all project feature and landmarks.
- Leading site team for collecting Roads design required Field data.
- The duties involve supervising and directing workforce.
- keep check on quality of work and timely completion.
- Preparing all drawings and contour maps.
- Carry out the safety and professional health instructions prescribed in the establishment.
- Supervision and implementation the project site for many activates.

Survey Engineer, Khartoum Survey Planning (KSP), Khartoum, SUDAN February 2009 - December 2009

Client: Ministry of Planning

Title: Survey Engineer

Scope/Description: Urban Planning, Projects handed over.

February 2009 - December 2009

- Review Land coordinates, areas and directions.
- Landmark properties boundaries.
- Review survey Data & survey activities included in Shop-Drawings & As-Built Drawings.

- Defining residential service areas.
- Setting out all plans feature and landmarks.
- Study of tender documents, identify scope of works and review.
- Preparing all drawings and contour maps for floods and rainwater drainage.
- Supervision and implementation the project site for many activates.

Education

Bachelor (Honour), University of Khartoum, Khartoum, Sudan

December 2002 - August 2008

Languages

English. (Advanced)

Arabic. (mother language)

Skills

- Team leadership.
- Communication.
- Multi Tasking.
- Problem solving.
- Decision maker.
- Time Management.
- Adaptability.
- Team Collaboration.
- Attention to details.

Memberships and Affiliations

- Sudan Engineering Council Membership (Graduated Engineer degree)
Membership No. : (17159/م خ / م س م / م هـ) Status (Active)
- Saudi Council of Engineers Membership (Associate Engineer Degree).
Membership No. : 134875.