

# MUHAMMAD ZEESHAN AJMAL

Project Engineer – Utilities / Building



## SUMMARY

A professional individual with more than 13 years of engineering construction experience from which more than 10 years in UAE with major focus on roads / infrastructure works, landscaping works and building construction works including review of method of statement, cross checking, material submittal as per delivered material, review and comment on shop drawing as per tender and IFC drawings, review of site HSE plan, earth works (embankment, subgrade, sub base, road base), asphalt works, asphalt milling, interlocking works, curbstone, protection / diversion / relocation of underground utilities (Power cables, Etisalat, Water lines, Irrigation lines), ITS works (installation of polycarbonate manhole for ducts, signal foundation installation, sensor installation), substation works, adjustment of manhole cover levels and storm water works, sewer works, concrete works, backfilling works, excavation works, reinstatement works, survey works, street light works, calculation of cut and fill ratio and typical road cross section profile; landscaping (hardscape – concreting for blinding / hunching, walk way, jogging track, interlocks, curbstone, irrigation network, EPDM, Muga Court, water feature, pump room, electrical works, sand stabilizer, skate park) soft scape – (grass, trees, shrubs) installation of furniture's; building construction (substructure works; primer application, water-proofing (SBS and HDPE fully bonded), reinforcement installation for raft, column, shear wall, retaining wall, slab (normal and post tension), water tank, warehouse construction) in the Emirate of Dubai, Abu Dhabi and Al Ain, United Arab Emirates.

## PROFESSIONAL EXPERIENCE

Sep 2023 – Present | Azizi Developments, AE  
**Project Engineer (Utilities / Building)**

- Working on "Azizi Venice". Project worth of AED 30 billion. Infrastructure works worth of 250 million.
- Inspection of delivered material at site as per material inspection request in correlation with approved material submittal.
- Verify the levels of excavation and manhole / pipeline formation and slope of installed pipeline.
- Inspection of formation preparation of pipeline and manhole and supervise Field Density Test (FDT).
- Inspection of the installation of the geotextile, fine aggregate bedding under pipeline and the installation of the pipeline as per approved shop drawing and typical layout.
- Supervise the testing of GRP pipeline (air test, deflection test) as per approved method of statement, ITP and specifications.
- Record the observations at site prior to issue site observation report (SOR) and non-conformance report (NCR).



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Dubai, United Arab Emirates



Valid UAE Driving Licence

## EDUCATION

**Master of Science | Applied Geology**  
*University of the Punjab, Lahore*  
*Pakistan, Aug - 2010*

**Bachelor of Science | Applied Geology**  
*University of the Punjab, Lahore*  
*Pakistan, Feb - 2008*

## CERTIFICATION

**IELTS – ACADEMIC**  
**Overall Band – 6.5 / Speaking – 7.5**  
*British Council, Jan - 2022*

**NEBOSH IGC**  
**Passed with Credit**  
*United Kingdom, Sep – 2014*

## TRAINING

**Emergency First Aid at Work inc CPR & AED**  
*TICTA, Feb – 2024*

## **(below roles and responsibilities for the learning stage of building construction works)**

- Inspection of excavation level and verification of plot boundary as per approved excavation layout.
- Inspection of formation preparation of raft foundation and supervision of FDT, plate load test and anti-termite spray.
- Inspection of surface preparation, primer application and installation of water-proofing (SBS and HDPE fully bonded) below raft foundation as per approved shop drawing and layout.
- Inspection of reinforcement installation and formwork for raft, columns, shear wall, retaining wall, water tank, slab as per approved authority / shop drawing and layout.
- Inspection of post tension slab as per approved shop and authority drawings.
- Supervision of concrete casting of raft, columns, shear wall, retaining wall, water tank, slab.
- Checking of concrete truck delivery note, slump, temperature prior to casting of structural elements.

July 2022 – Aug 2023 | Canadian Road Transport and Civil Engineering Consultancy, AE

### **Civil Engineer (Road & Infrastructure)**

- Worked on "Construction of Infrastructure Networks at Al Khazna Residential Villa Phase 1&2". Project worth of AED 24 million.
- Review of shop drawings at preliminary stage in correlation to Tender and IFC drawings approval for detailed design.
- Received the material submittal and cross check the delivered material as per approved supplier.
- Review the method of statement (for different works) and site HSE plan and submitted comments.
- Supervise the dry and wet utilities installation works with villa connection at site as per approved lay out and typical details.
- Supervision and inspection of road construction layers and asphalt laying works as per approved shop drawing and typical section.
- Supervision of hydrostatic and deflection testing for installed sewerage line as per client specifications and standards.
- Cross check of setting out of progressed work at site (pipeline level, slope, depth and alignment, Etisalat, electrical cable, road level and IP's).
- Prepare and submit daily and weekly progress report to management and client.
- Received and sign the work inspection request as per site activity.
- Witness and supervise concrete casting procedures for structural items and future ducts installation.
- Supervision and inspection of portable water chambers installation (gate valve, fire-hydrant and wash-out).
- Supervision and inspection of Etisalat ducts, entry box and JRC manhole installation and connection to villa as per approved shop drawing and typical details.

## **SKILLS**

- Strong understanding and knowledge of engineering problem solving skills.
- Ability to absorb pressure and handle multiple disciplinary tasks
- Easily manage works team
- Proficient in using Microsoft word, excel and power point
- Excellent communication skills

## **EQUIVALENCY**

Recognized Certificate from MOE UAE

## **SOFTWARE**

- Adobe Illustrator
- Adobe Photoshop
- AutoCAD

## **APPROVAL**

- Al Ain Municipality
- MUSANADA
- United Arab Emirates Presidential Court
- Azizi Developments

- Supervision and inspection for construction of MMR room (Du/Etiscalat) electrical substation along with LV cable as per approved layout.
- Supervision and Inspection of streetlight works installation at site as per approved shop drawing and specifications.
- Supervision of road marking and sign board installation at site.
- Supervision and inspection of septic tank construction as per approved shop drawing and typical details.

September 2020 – June 2022 | Canadian Road Transport and Civil Engineering Consultancy, AE

#### **Technical Inspector (Road & Infrastructure)**

- Worked on "Minor Road and Parking Miscellaneous works in Al Ain for the year 2020". Project worth of AED 35 million and "Landscape Design for Parks at Sheibat Al Watah Residential Development Al Ain". Project worth of AED 20 million.
- Inspection of quality control over earth works and asphaltting activities at site during different stages of construction from embankment and formation up to asphalt laying of different layers up to completion of rolling.
- Witness and Supervise laying and compaction procedures of different asphalt laying layers (base, binder, wearing courses) and witness sampling of asphalt for performing Marshall Test and bitumen content.
- Check of surface, asphalt laying, and break down rolling, PTR rolling, prime coat, tack coat, and temperatures as per specifications.
- Inspection and supervision of wet utilities (storm water, sewer) and dry utilities (electrical, telephone) installation as per approved shop drawing and specifications.
- Inspection of asphalt distresses for the emergency maintenance works and supervision of asphalt milling and FDR (full depth reclamation) as per site condition and client approval.
- Supervision of asphalt milling.
- Technically lead the contractor team and managed the site activities.
- Inspection and supervision of primer flexilon 1102/EPDM installation on jogging track as per approved typical section.
- Supervise and inspect different site activities related to hard and soft landscape.
- Submit daily report for activities going at different sites and bring to attention of Resident Engineer critical issues and concerns.
- Assist Resident Engineer in final inspection, preparation of snags and defects list and handing over of completed sites.
- Attend weekly progress meeting prior to NOC close out by updating the sheet.
- Record safety observations on work site and prepare EHS report.

July 2019 – September 2020 | TESSCO (TECHNICAL ENGINEERING AND SCIENTIFIC STUDIES CO.), AE

#### **Technical Inspector (Road & Infrastructure)**

Nov 2016 – August 2018 | WSP Middle East, AE

#### **Site Inspector Infrastructure**

(Below duties and responsibilities are combined for the above employers)

- Worked on “Minor Roads and Parking in Al Ain, Stage 12”. Project worth of AED 50 million.
- Worked on “Emirati Neighbourhood Zayed City – Capital District – Package 2A & 3”. Project worth of AED 300 million.
- Witness and Supervise laying and compaction procedures of different asphalt laying layers (base, binder, wearing courses) and witness sampling of asphalt for performing Marshall Test and bitumen content.
- Inspection and supervision of wet utilities (storm water, sewer) and dry utilities (electrical, telephone) installation as per approved shop drawing and specifications.
- Inspection of asphalt distresses for the emergency maintenance works and supervision of asphalt milling and FDR (full depth reclamation) as per site condition and client approval.
- Supervision of asphalt milling.
- Assist Resident Engineer in final inspection, preparation of snags and defects list and handing over of completed sites.
- Supervise testing for installed storm water pipe (deflection, air and water).
- Inspection of streetlight works installation at site as per approved shop drawing and specifications.

Nov 2013 – October 2016 | Ed. Zublin AG, AE

#### **Site Engineer**

- Worked on “Strategic Tunnel Enhancement Programme (STEP)”. Project worth of AED 1.4 billion
- File up of work checklists and inspection with consultant quality inspector by following the inspection and testing plan (ITP) for the jointing between pipes, water tightness test, grouting and delivered GRP and HDPE pipes at site.
- Follow up the installation of secant, sheet piling as per approved design drawings, specifications and approved shop drawings.
- Supervision of cavity grouting, micro-piling, pressure grouting as per geotechnical report and site condition.
- Follow-up the reinstatement works and attend the inspections.
- Supervision of assembly of steel roller ring unit, lifting and lowering in shaft and installation in tunnel.
- Supervision of excavation works prior to shaft construction activities.
- Successfully coordinated with Consultant Engineers and obtained necessary approvals during course of construction.
- Understand and learnt to read the shop drawings and typical cross section.
- To ensure all workers are wearing prescribed PPE and working safe in shaft and tunnel by following safety procedures.

Oct 2010 – Oct 2013 | Decon Pvt Ltd, PAK

#### **Field Geologist**

- Worked on “Multiple Project”. Project worth of PKR 25 million.
- Supervision of field investigations including drilling, sampling, in-situ testing.
- Managed and handled sites individually and lead the site team.