

SIKANDER CHAUDARY

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PROFILE

I am highly motivated, energetic, and detail oriented Geotechnical Engineer with a strong belief that “labor conquers everything”. I have strong technical background in soil mechanics, geotechnical construction, foundation testing, special inspections and material testing. Software skills include MS office, Auto Cad, STABL, CAPWAP, ALLPILE, AB Wall, SR WALL and Geo systems. Have excellent familiarity with FHWA, NAVFAC, ASTM and ACI Standards.

WORK EXPERIENCE

Langan Engineering, Parsippany, NJ

July 2019 – Present

As a Senior Licensed Field Engineer, my primary responsibilities are geotechnical special inspections in accordance with chapter 17 of NYCBC. Summarized daily responsibilities are:

- Special inspections during foundation construction for caisson piles, driven piles, SOE, tiebacks, secant pile walls and foundation subgrades.
- Review of submittals, project drawings, and specifications.
- Preparation of detailed daily reports and discrepancy logs.
- Attend project meetings and conference calls.

YU & Associates, Elmwood Park, NJ

February 2019 – June 2019

As a Project Engineer, my responsibilities were preparation of subsurface investigation reports and field inspections. Summarized daily responsibilities were:

- Preparation of subsurface investigation reports, field instructions for junior Engineers, making changes during drilling operations, and generating soil lab test requests.
- Geotechnical construction monitoring for micro piles, driven piles, drilled shafts, and pile load tests.
- Preparation of proposals and maintaining client relationships.
- Training and mentoring junior Engineers.

Atlantic Testing Laboratories, Clifton Park, NY

March 2018 – December 2018

As a Senior Engineer, my responsibilities were preparation of subsurface investigation reports, dynamic pile testing, special inspections and geotechnical instrumentation monitoring. Summarized daily responsibilities were:

- Preparation of subsurface investigation reports, utilities location requests, field instructions for drillers, making changes during drilling operations, and generating soil lab test requests.
- Perform dynamic pile testing (PDA) in field, CAPWAP on field data, and preparation of final report.
- Read, analyze and make recommendations on geotechnical instrumentation data from Inclometers, monitoring wells and piezometers.
- Special Inspections for steel, masonry, soil, and concrete.
- Geotechnical construction monitoring for micro piles, driven piles, drilled shafts, and pile load tests.
- Preparation of proposals and maintaining client relationships.
- Training and mentoring junior Engineers.

CME Associates, Albany, NY**December 2017 – February 2018**

As a geotechnical engineer, my responsibilities were preparation of sub surface investigation reports. Summarized responsibilities were:

- Preparation of sub surface investigation reports including calculations for soil settlement, bearing capacity, site classification, and site design category.
- Preparation for drilling instructions and liaison with the drillers during drilling to make decisions regarding termination or extending borings, and selection of sample depths.
- Planning lab tests for the subsurface report based on the available budget.
- Peer review for subsurface investigation reports and design calculations.
- Training and mentoring junior Engineers.

Dente Engineering, Watervliet, NY**July 2014 – November 2017**

I worked as a Staff Geotechnical engineer; responsible for Subsurface Investigation Reports, Slope/segmental retaining wall Designs and Special inspections of various projects. Summarized responsibilities were:

- Desk study, site reconnaissance, and boring Layouts for sub surface investigations.
- SPT Testing & Soil Classification using ASTM D2487 & Burmister Method in field and Lab.
- Preparation of sub surface investigation reports, which include site and seismic design category, foundation And ground water recommendations, pavement and parking lots sections, structural fill requirements, use of On site material, and design parameters for retaining walls and slab on grade.
- Settlement calculations using elastic, Schmertmann and one dimensional consolidation data.
- Global stability analysis (Limit Equilibrium) using STABL software for drained and undrained conditions.
- Slope monitoring; collection and review of inclinometer data.
- Pile design for axial and lateral loads using CPT and PMT Data with ALLPILE software.
- Ground water monitoring, in situ permeability testing and calculations using hvorslev method.
- Attend project progress, pre pour, and pre fabrication meeting.
- Perform SWPPP inspections under the supervision of qualified inspector.
- Geotechnical construction observations; drilled Shafts, micro Piles, driven Piles, helical Piles, pile load tests Segmental wall construction, proof rolling, bearing grade inspections, sodium silicate and jet grouting.
- Special inspections for steel, masonry, soil and concrete as per NYS building code chapter 17; wood framing Inspections for lateral force resisting systems.
- Maintaining and updating project discrepancy logs.

Atlantic Testing Laboratories, Highland, NY**March 2013 – June 2014**

As an Engineer I, provided CMET/ and or Special Inspection services to the educational, medical, and residential sector. Summarized responsibilities were:

- Reviewing Projects documents, specifications, and drawings.
- Perform Special Inspections for concrete, soil, and masonry.
- Geotechnical construction monitoring - pile driving, caissons, & pile Load tests.
- Reviewing field reports as per the projects documents and relevant standards
- Conduct calibrations for concrete, and soil lab equipment.
- Geo system software for generating sieve, Atterberg and proctor test reports.
- Attend pre-construction meetings, and conference calls.
- Generate RFI's, and document control for the projects.
- Managing, scheduling, and training of field & lab technicians.

Evergreen Testing and Environmental, Watervliet, NY**Apr 2011 – March 2013**

Worked as a construction inspector on various notable projects in capital area including Albany medical center, SUNY business school etc. Primary duties were:

- Identification and documentation of construction and /or QC deficiencies.
- Monitoring of geotechnical construction and pile load tests.
- Steel reinforcement & form work inspections of various structural elements.
- Asphalt pavement quality control.
- Reinforced concrete masonry inspections.
- Onsite inspections for bearing grades, and compaction testing.
- Testing of fresh and hardened concrete for quality control tests.
- Soil testing – PH, sieve analysis, hydrometer and proctor tests.

Sea rock Drillers and Constructors, Karachi, Pakistan**Mar 2007 – Jul 2010**

As a geotechnical field engineer, executed numerous projects involving drilled shaft construction, foundation testing and secant pile wall construction. Responsibilities during the tenure were as follows:

- Oversaw geotechnical construction and resolved technical issues regarding execution.
- Execution of pile load tests using kentledge and reaction frame up to 3500 tones.
- Involvement in trouble shooting and routine maintenance of drilling rigs (Soil Mec., IMT)
- Preparation of as built drawings.
- Liaison with client and the Engineer.
- Prepared variety of records, including weekly progress reports, material accounting records and change orders.

EDUCATION AND CERTIFICATIONS

- Bachelor's in Civil Engineering from NEDUET , Pakistan GPA 3.7
- P.E., NY, October 2017
- PDA Proficiency Test 2016; Intermediate Level
- ACI Field Testing Technician I
- ACI Aggregate Base Testing Technician
- ACI Aggregate Testing Technician Level I
- ICC Structural Steel & Bolting Special Inspector, certificate number 8249250
- ICC Structural Welding Special Inspector, Certificate number 8249250
- ICC Structural Masonry Special Inspector, Certificate number 8249250
- Certified SWPPP Inspector
- OSHA 10 Hr.
- OSHA 30 Hr.
- OSHA 40 Hr.
- Troxler Certification
- MSHA Safety course

PERSONAL TRAITS

- Dedicated to the task till completion.
- Can easily adjust to any kind of environment.
- Excellent communication and interpersonal skills.

AREAS OF INTEREST

- Statnamic and Osterberg Cell Load testing.
- CHSL and Low strain pile Integrity testing.
- Geo Synthetics.
- Metallurgy/Welding.