

ENGINEER: CIVIL/STRUCTURAL

DAVID R. MCCAULEY, P.E.
EDT Engineers, P.C.
Post Office Box 481090
Charlotte, North Carolina
Telephone: (704) 523-2520
drmccauley@edtengineers.com

EDUCATION:

2004 B.S., Civil Engineering
Florida State University, Tallahassee, Florida

EXPERIENCE:

May 2018 **EDT Engineers, P.C.**
to Present **Charlotte, North Carolina**

Civil/Structural Engineer. Provide engineering services related to the damage analysis to structures, roofs and foundations, provide engineering opinions on causation, segregation and scope of damage; evaluation of soil settlement, soil erosion, ground subsidence, earthen slopes and retaining wall failures; conduct value of loss assessments, repair estimates and cost estimate review; analysis of hailstone impacts, wind forces and wind damage; determine cause and scope of moisture damage; evaluate buildings for code compliance; assess compliance with OSHA and ADA standards.

November 2017 **McCauley Engineering, PLLC**
to May 2018 **Matthews, North Carolina**

Principal and Founder. Started company focusing on environmental engineering, civil engineering, and facility compliance. Business development success in the utility, real estate development, and petroleum industries. Principle review and oversight of projects in North Carolina and South Carolina. Responsible for new lead development, project management, budget control, cost tracking, forecasting, and invoicing.

July 2016 **Geo-Technology Associates, Inc,**
to October 2017 **Charlotte, North Carolina**

Senior Engineer. Performed geotechnical analysis including subsurface explorations, shallow and deep foundation, slope stability, settlement, pavement evaluation and design, and retaining wall design. Maintained

industrial facility compliance of stormwater runoff under General and Individual NPDES permits. Technical lead in development for the Property Condition Assessment (PCA) template standard for GTA at commercial, industrial, and retail sites in accordance with ASTM Standards. Train engineers to perform PCAs in a cost effective and timely manner. Professional engineer review of reports to ensure compliance with internal quality assurance standards and client expectations.

September 2013
to February 2016

**ATC Group Services f/k/a Environmental Compliance Services
Charlotte, North Carolina**

Senior Engineer. Principle review and oversight of projects in North Carolina and South Carolina. Responsible for project management, budget control, cost scheduling and resource allocation, project cost tracking, forecasting, invoicing. Designed and implemented Remedial Action Plans including the construction and modification of remedial systems. Provided technical supervision, regulatory support, and construction support from the field and office. Prepared Spill Prevention Control and Countermeasure (SPCC) plans, Storm Water Pollution Prevention Plans (SWPPP) and Integrated Contingency Plans (ICP).

January 2012
to July 2013

**Engineering Consulting Services of Florida
West Palm Beach, Florida**

Department Manager. Principal review and technical lead on environmental projects in the West Palm Beach office. Provided leadership and direction to environmental scientists in the West Palm Beach office. Performed multiple Phase I/II ESAs and PCAs for commercial developers, attorneys, industrial/petroleum facilities, and financial institutions. Coordinated, supervised, and managed engineering and design resources within project budget in support of project schedule. Performed dewatering calculations and created plans for large projects using Hazen's and Darcy's laws.

February 2007
to May 2011

**Northstar Group Services, f/k/a WRSScompass
Miami, Florida**

Project Engineer. Managed projects (submit proposals, vendor management, invoicing) for site assessment, operation and maintenance, remedial action, land development, and roadway

July 2018

construction scopes. Designed water treatment systems utilizing power supply calculations, hydraulic and friction losses, airflow calculations, and off gas treatment analysis. Designed water, sanitary sewer, storm sewer, paving, and grading improvements Performed site assessment activities which included groundwater, sediment, wastewater, and soil sampling and air monitoring. Performed pollutant storage tank installations and removals, and dispenser upgrades.

June 2005
to December 2006

BTEX Engineering
Delray Beach, Florida

Staff Engineer. Project management included proposal preparation, subcontractor coordination, and invoicing. Remedial Action Plan design for petroleum sites utilizing air sparging with soil vapor extraction, air sparging with dual phase extraction, biosparging with passive ventilation. Preparation of Construction Drawings and bid package. Report preparation and recommendations on site assessments and remedial action. Recommendations on engineering documents.

July 2004
to June 2005

Handex Consulting & Environmental
Delray Beach, Florida

Staff Engineer. Assisted Project Managers in the investigation and remediation of petroleum contaminated retail gas stations. Reported preparation consisting of but not limited to historical summaries of previous activities at sites, data entry, delineating the extent of contamination plumes, determining groundwater flow direction. Supervised on-site activities including the installation of monitoring wells and GeoProbe investigations. Conducted on-site activities including groundwater sampling, soil sampling, pilot tests, surveying. Produced user friendly Excel spreadsheets for coworkers to utilize for fast and accurate results.

CONTINUING EDUCATION:

Foundations in Expansive Soils, Ezekiel Enterprises, LLC, New Smyrna Beach, FL, 2018
CHANCE Helical Piles & Tieback Seminar, Foundation Technologies, Inc, Charlotte, NC, 2017
Guide to Government Contracting, Ezekiel Enterprises, LLC, New Smyrna Beach, FL, 2018
Design of Small Water Systems, Ezekiel Enterprises, LLC, New Smyrna Beach, FL, 2018
Good Business Practices, Ezekiel Enterprises, LLC, New Smyrna Beach, FL, 2018

NC - Laws, Rules, and Ethics for PEs, Ezekiel Enterprises, LLC, New Smyrna Beach, FL, 2018

Time Management: Who's Got the Monkey, GTA Associates, Inc, Waters Edge, MD, 2017

An Understanding of GTA's New General Provisions, GTA Associates, Waters Edge, MD, 2017

Review of Key 2016 Projects and Lessons Learned, GTA Associates, Waters Edge, MD, 2017

Hydrology Primer for Engineers and Design Professionals, RedVector.com, Tampa, FL, 2017

Green Design: Brownfield Redevelopment, RedVector.com, Tampa, FL, 2017

Hazardous Waste Essentials, RedVector.com, Tampa, FL, 2017

Green Infrastructure 2: Best Practices for Site Assessment, RedVector.com, Tampa, FL, 2017

2014 Florida Building Code® Advanced 5th Edition: Significant Changes to the Building Code - Internet, RedVector.com, Tampa, FL, 2017

Ethical Decision Making for Engineers #2, RedVector.com, Tampa, FL, 2017

Environmental Risks in Construction, RedVector.com, Tampa, FL, 2017

Florida Engineering Laws and Rules, RedVector.com, Tampa, FL, 2017

Hazardous Waste: Treatment, RedVector.com, Tampa, FL, 2016

Remediation Workshop, Remediation Workshop, Charlotte, NC, 2016

In Situ Remediation Technologies for Contaminated Soils, RedVector.com, Tampa, FL, 2016

Hazardous Waste: The Basics, RedVector.com, Tampa, FL, 2016

Fracking: The Operations, RedVector.com, Tampa, FL, 2015

Remediation Workshop, Remediation Workshop, Charlotte, NC, 2015

Ethics for the Practicing Engineer - An Introduction, RedVector.com, Tampa, FL, 2015

Groundwater for Engineers and Scientists, RedVector.com, Tampa, FL, 2014

Green Design: Introduction to Sustainability/Measurement Systems, RedVector.com, Tampa, FL, 2014

Basics of Water Resources: Groundwater Contamination, RedVector.com, Tampa, FL, 2014

Business Management: Brief Overview, RedVector.com, Tampa, FL, 2014

Fracking: Environmental Consequences, RedVector.com, Tampa, FL, 2014

Green Design: Introduction to Sustainable Site, RedVector.com, Tampa, FL, 2014

Green Building Materials: Product Selection & Specification, RedVector.com, Tampa, FL, 2014

Safety: Trades, RedVector.com, Tampa, FL, 2014

Florida Engineers' Laws and Rules V.13, RedVector.com, Tampa, FL, 2014

Groundwater Remediation, RedVector.com, Tampa, FL, 2013

Water Well Design, RedVector.com, Tampa, FL, 2013

Florida Engineers' Laws and Rules [V.11], RedVector.com, Tampa, FL, 2013

Heavy Construction Equipment Basics - Earthmoving & Excavating, RedVector.com, Tampa, FL, 2012

Heavy Construction Equipment Basics - Lifting, RedVector.com, Tampa, FL, 2012

Preventing and Investigating Accidents, RedVector.com, Tampa, FL, 2012

PROFESSIONAL ORGANIZATIONS:

American Society of Civil Engineers (ASCE)
Professional Engineers of North Carolina (PENC)

REGISTRATIONS and CERTIFICATIONS:

Registered Professional Engineer in Florida (#71416)
Registered Professional Engineer in North Carolina (#040944)
Registered Professional Engineer in South Carolina (#31409)
Registered Professional Engineer in Virginia (#0402053291)
Registered Professional Engineer in Texas (#118126)
Registered Professional Engineer in Michigan (#6201061854)
Registered Professional Engineer in Georgia (#PE040464)
Certified Pollutant Storage System Contractor, Florida (Inactive) (#PCC1256902)
National Council of Examiners for Engineering and Surveying Record (#55795)
Certified Geo-Seal® Vapor Intrusion Barrier Inspector