

Nathan Weldon, PE

Forensic Engineering Expertise

Civil Engineering

Site grading, earth balance, soil stabilization, road design, drainage, hydrology, sanitary sewer, water main and storm sewer systems, on-site sewage disposal systems and wells, and pumping stations.

Inspection and Evaluation of Roofing Systems

This includes steep and low slope roofs as well as various types of roofing materials including both common and unique roofing applications. Past work involved offering opinions and repairs related to installation deficiencies and storm-related damages including for hail and wind.

Qualifications & Training

- Construction Best Management Practices – General Awareness and Training, May 2018
- Accident Avoidance Training
- OSHA Training, 10 hours

Education

Bachelor of Science Degree in Civil Engineering
University of Alabama, Huntsville, AL
May 2018
Graduated Cum Laude

Associate Degree
Calhoun Community College, Tanner, AL
May 2015
Graduated Summa Cum Laude

Licenses & Certifications

PE - Professional Engineer

Licensed by the State of Alabama – Number 52423
Licensed by the State of Arkansas – Number 22983
Licensed by the State of Georgia – Number PE051556
Licensed by the State of Tennessee – Number 129702
Licensed by the State of Mississippi – Number 45639

Employment History

Forensic Engineer
Nederveld, Inc.
2023 - Present

Duties include forensic engineering analysis relating to building pathology, structural damage, storm damage (wind, snow, hail) and water loss events.

Civil Project Engineer

Goodwyn Mills Cawood, LLC, Huntsville, AL

2021 - 2023

Responsibilities included preparing proposals for new projects, providing cost estimates to clients, and overseeing and completing design packages and stormwater reports for new site developments and presenting projects at city planning commission and board of zoning adjustment meetings.

Civil Project Engineer

LBYP, Inc., Huntsville, AL

2021 - 2023

Developing cost estimates for clients to aid in anticipation of construction cost for new projects. Managing and completing calculations and site design packages for demolition, site layout, site utilities, erosion control, grading and drainage for renovation of existing facilities and construction of new facilities. Permit preparation for state issued stormwater permits.

Civil Engineer

CCI Construction Services, Huntsville, AL

August 2017 - October 2018

Completing calculations and site design packages for demolition, site layout, site utilities, erosion control, grading and drainage for renovation of existing facilities and construction of new facilities.

Student Co-op

Brasfield & Gorrie, Huntsville/Birmingham, AL

January 2017 - August 2017

Performed quantity takeoffs for new construction estimating and managed RFI and submittal processes and performed punch list inspections for large construction projects.

Summer Intern

CCI Construction Services, Huntsville, AL

September 2016 - January 2017

Developed plan sets for site design, road design, and site grading designs of renovation of existing facilities and new construction. Performed calculations for open channel design and stormwater pipe sizing.

Student Trainee

Army Installation Management Command, Huntsville, AL

June 2016 - September 2016

Performed site design, road design, and minor site grading designs for renovation of existing facilities and new construction. Data collection and running GPS and Total Station for topographic surveys and roadway layout.